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### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION IX

75 Hawthorne Street San Francisco, CA 94105

Roland Meckel Property Owner and Manager 5610 Alcoa Avenue Vernon, CA 90058

RE:

Modern Pattern & Foundry Co. Inc.

EPA ID# CAD982025488

Dear Mr. Meckel:

Enclosed is a Preliminary Assessment Report on the Modern Pattern & Foundry Co. Inc. site. This report contains the results of an evaluation conducted by Weston Solutions, Inc. for the U.S. Environmental Protection Agency (EPA) under Section 104 of the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended [42 U.S.C. 9404], commonly known as Superfund. The purpose of the Preliminary Assessment is to determine whether this site may qualify for placement on the National Priorities List (NPL).

Based on currently available information contained in the enclosed report, EPA has determined that no further assessment is warranted at this time.

Please forward any written comments on the enclosed report to:

Dawn Richmond Site Assessment Manager U.S. Environmental Protection Agency 75 Hawthorne Street, SFD 6-1 San Francisco, CA 94105

If you have any questions, please call Dawn Richmond at 415-972-3097.

Sincerely,

Deborah Schechter, Chief

Brownfields and Site Assessment Section

**Superfund Division** 

Enclosure

cc: Greg Holmes, CA DTSC

REMEDIAL SE ASSESSMENT DECISION - EPA REGION IX

Page 1 of 1

EPA ID: CAD982025488 Site Name: MODERN PATTERN & FOUNDRY CO. INC. (MP)

State ID:

5360

Alias Site Names: City: VERNON

Refer to Report Dated: 6/29/2010

County or Parrish: LOS ANGELES

State: CA

Report Developed By:

Report Type: PRELIMINARY ASSESSMENT 001

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	<b>A</b> :	

1. Further Remedial Site Assessment Under CERCLA (Superfund) is not required because:

NFRAP-Site does not qualify for the NPL based on existing information

2. Further Assessment Needed Under CERCLA:

#### **Discussion/Rationale:**

The site occupies approximately 1 acre in an industrial area of the City of Vernon. The site has operated as a foundry creating aluminum, aluminum/bronze and steel castings since 1946. There has been no known soil or groundwater sampling conducted on the site.

Depth to groundwater is approximately 20 to 43 feet and flow direction is estimated to be toward the southwest at the site. There are approximately 60 drinking water wells within 4 miles of the site that serve approximately 412,624 people. The nearest surface water body is the Los Angeles River, located approximately 1 mile southeast of the site. There are no residences, schools, daycare centers, or sensitive environments on site. The site is completely fenced and entirely paved.

The U.S. Environmental Protection Agency (EPA) has determined that no further remedial action by the Federal Superfund program is warranted at the referenced site, at this time. The basis for the no further remedial action planned (NFRAP) determination is provided in the attached document. A NFRAP designation means that no additional remedial steps under the Federal Superfund program will be taken at the site unless new information warranting further Superfund consideration or conditions not previously known to EPA regarding the site are disclosed. In accordance with EPA's decision regarding the tracking of NFRAP sites, the referenced site may be removed from the CERCLIS database and placed in a separate archival database as a historical record if no further Superfund interest is warranted. Archived sites may be returned to the CERCLIS site inventory if new information necessitating further Superfund consideration is discovered.

Site Decision Made by: 🖵 Ϝ	CHMOND (	
Signature:	wo kichmond	<b>Date:</b> 01/27/2011

# Preliminary Assessment Modern Pattern & Foundry Co. Inc. Vernon, Los Angeles County, California

EPA ID NO.: CAD982025488 Contract No: W91238-06-F-0083 IA #: 95777001-0 Project No: 12767.063.566.1410

June 2010

Prepared for: United States Environmental Protection Agency Region 9

Prepared by:
Weston Solutions, Inc.
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Oakland, California 94612

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#### List of Acronyms

1,1,1-TCA 1,1,1-trichloroethane

bgs below ground surface

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act of

1980

CERCLIS Comprehensive Environmental Response, Compensation, and Liability

Information System

DTSC California Environmental Protection Agency, Department of Toxic Substances

Control

EPA United States Environmental Protection Agency

FIND Facility Information Detail
HRS Hazard Ranking System
mg/L milligram per liter

MP Modern Pattern & Foundry Co. Inc.

MWD Metropolitan Water District

NC Notice To Comply

NPDES National Pollutant Discharge Elimination System

NPL National Priorities List.
PA Preliminary Assessment

RCRIS Resource Conservation and Recovery Information System

RWQCB California Environmental Protection Agency, Regional Water Quality

Control Board

SARA Superfund Amendments and Reauthorization Act of 1986

SCAQMD South Coast Air Quality Management District

WESTON Weston Solutions, Inc.

#### 1.0 INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), Weston Solutions, Inc. (WESTON) has been tasked to conduct a Preliminary Assessment (PA) of the Modern Pattern & Foundry Co. Inc. site (Site) in Vernon, California.

The purpose of the PA is to review existing information on the site and its environs to assess the threat(s), if any, posed to public health, welfare, or the environment and to determine if further investigation under CERCLA/SARA is warranted. The scope of the PA includes the review of information available from federal, state, tribal, and local agencies and performance of an onsite reconnaissance.

Using these sources of existing information, the site is evaluated using the United States Environmental Protection Agency's (EPA's) Hazard Ranking System (HRS) criteria to assess the relative threat associated with actual or potential releases of hazardous substances at the site. The HRS has been adopted by the EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a site's eligibility for placement on the National Priorities List (NPL). The NPL identifies sites at which the EPA may conduct remedial response actions. This report summarizes the findings of these preliminary investigative activities.

The Site was identified as a potential hazardous waste site and entered into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on December 6, 2000 (CAD982025488) (EPA, 2010a).

More information about the Superfund program is available on the EPA web site at <a href="http://www.epa.gov/superfund">http://www.epa.gov/superfund</a>. The attached fact sheet describes EPA's site assessment process (Appendix F).

#### 1.1 Apparent Problem

The apparent problems at the site, which contributed to the EPA's determination that a PA was necessary, are presented below:

• The California Environmental Protection Agency, Department of Toxic Substances (DTSC) completed an EPA Region 9 Site Screening/Prioritization Checklist for the Site on December 6, 2000. According to the Site Screening 1,1,1-trichloroethane (1,1,1-TCA) may have been used at the Site from 1946 until 1988. 1,1,1-TCA was used from at least 1991 to 1997 at a rate of approximately 30 gallons per day (CVHD, 1994; DTSC, 1999).

#### 2.0 SITE DESCRIPTION

#### 2.1 Site Location

The Site is located at 5610 Alcoa Avenue, Vernon, CA. The Site occupies less than one acre in an industrial area. The geographic coordinates for the site are 33° 46' 22" North latitude and 118° 55' 17" West longitude. The location of the Site is shown in Figure 1 (EPA, 2010a; Appendix D).

#### 2.2 Site Description

The Site consists of two small buildings, one made of corrugated metal, and the other constructed of brick and corrugated metal. The entire Site is fenced with concertina wire on top, and is accessible only to authorized persons. At the time of the site reconnaissance, employees were onsite, cars were present in the parking area, and forklift operations and material handling activities were observed (Appendix B). The site layout is shown in Figure 2.

The Site is bounded immediately to the north by railroad tracks and the Kagan Trim Center, an apparel accessorizing company. The Site is bounded to the east by Lubricating Specialties Company, a blender and packager of lubricating oils and greases. The Site is bounded to the south by Royal Roof Corporation, a roofing contractor, and to the west across Alcoa Avenue by Sandberg Furniture, a furniture manufacturer (Appendix B).

Run-off appears to be sheet flow west across the site to Alcoa Avenue. A roof drainpipe observed on the building empties onto the driveway along Alcoa Avenue. A storm drain is located on the curb along Alcoa Avenue just south of the Site near Royal Roof Corporation (Appendix B).

#### 2.3 Operational History

The Modern Pattern & Foundry Co. (MP) business began operating at the Site in 1946. The Site was vacant prior to 1946. MP operated nearby the Site beginning in 1938. The Site consists of a warehouse, Building 1, a stand-alone Building 2, and a parking lot. Operations take place inside the warehouse. Building 2 was built in 1968 and contains ceramic ovens, a furnace, and stores solid metals (DTSC, 2000).

Roland Meckel is currently the owner of the Site. Mr. Meckel began working at the Site in 1967 and has functioned as General Manager at the Site from 1983 to the present. Mr. Meckel purchased the MP business and Site in 1994. E. C. Hesselberg owned the Site from 1986 time until 1994. Prior to 1986, the Site was owned by E. C. Hesselberg and two unknown shareholders. The heirs of the two unknown shareholders sold their holdings in the company 1978 and 1986 (DTSC, 2000).

The Site has operated as a foundry creating aluminum, aluminum/bronze, and steel castings since 1946. At times castings were poured directly onto the ground during early

operations. The Site was paved at an unknown time. 1,1,1-TCA may have been used at the Site from 1946 until 1988. 1,1,1-TCA was used from at least 1991 to 1997 at a rate of approximately 30 gallons per day. Formaldehyde was used prior to 1990 for an unknown amount of time (CVHD; 1994; DTSC, 2000; SCAQMD 2000).

The DTSC conducted a site reconnaissance at the Site in order to prepare an EPA Region 9 Site Screening/Prioritization Checklist for the Site in 1999. The following activities were observed at the Site. MP creates castings using wax moldings or sand moldings. Chemicals are sometimes added to metal in order to impart specific qualities to a casting. Aluminum, aluminum/bronze, and steel are stored in steel drums. A small amount of solvent is stored outside. Solvent waste is generated at a rate of 15 gallons per month. Aluminum and steel metals are stored in wooded boxes inside the warehouse. Liquids are stored in steel drums inside the warehouse. Chemicals and waste are stored in secondary containment. A typical casting created at the Site could contain 290 pounds of metal and 10 pounds of chemicals. The DTSC also noted poor housekeeping during a drive-by of the Site in 1997 (DTSC, 2000).

#### 2.4 Regulatory Involvement

#### 2.4.1 United States Environmental Protection Agency

The Site is not listed in the Resource Conservation and Recovery Information System (RCRIS) database as of May 20, 2010 (EPA, 2010b).

#### 2.4.2 California Environmental Protection Agency

Department of Toxic Substances Control

The California Environmental Protection Agency, Department of Toxic Substances Control completed an EPA Region 9 Site Screening/Prioritization Checklist for the Site on December 6, 2000 (DTSC; 2000).

The Site is not listed in the DTSC Envirostor database (DTSC, 2010a).

The DTSC does not have any additional files associated with the Site (DTSC, 2010b).

#### Regional Water Quality Control Board

MP holds a current National Pollutant Discharge Elimination System (NPDES) permit. MP submitted a notice of intent to comply with NPDES permit requirements in 1993. The notice of intent was accepted by the California Environmental Protection Agency, Los Angeles Regional Water Quality Control Board (RWQCB) on October 20, 1993. MP submits annual review reports that include storm water sample results collected by MP. On March 3, 2010 the RWQCB notified MP that it had discharged zinc during stormwater run-off at concentrations of 17 milligrams per liter (mg/L) and 1.6 mg/L from July 2008 to July 2009. The NPDES permit allows zinc to be discharged at a concentration of 0.117 mg/L or less during stormwater run-off (RWQCB, 2009; RWQCB, 2010a).

The Site is not listed in the RWQCB Geotracker database (RWQCB, 2010b).

#### 2.4.3 State of California Department of Resources Recycling and Recovery

The State of California Department of Resources Recycling and Recovery (formerly State of California Integrated Waste Management Board) does not have any files associated with the Site.

#### 2.4.4 South Coast Air Quality Management District

The South Coast Air Quality Management District (SCAQMD) issued three permits to operate to MP for two sandblast cabinets, and a five horsepower local exhaust system serving the two sandblast cabinets, three double-ended buffing and grinding machines, and one single-wheel grinding machine on October 17, 1957. The permits for one sandblasting machine and the furnace were inactivated in 1968 and 1970 (SCAQMD, 1957).

The SCAQMD issued two permits to operate on August 2, 1961 for two gas-fired aluminum melting furnaces. The permits were inactivated in 1975 (SCAQMD, 1961).

The SCAQMD conducted site inspections annually from 1998 to 2008 with the exception of 2001, 2004 and 2007. The Site has 15 active permits issued by the SCAQMD for seven furnaces/ovens, three abrasive cabinets, three baghouses, one shell core machine, and one sand mixer. Records at the Site indicated that in between 1,200 and 2,900 pounds of total material and 16 to 37 pounds of resin were missed each day. Abrasive blasting devices were vented to air pollution control devices that contain mechanical gages (SCAQMD, 2010a).

Two Notices to Comply (NCs) were issued to MP after SCAQMD conducted the 2000 inspection. A NC was issued on November 17, 2000 requiring MP to prove metal certifications for all aluminum and aluminum/bronze melted. Also, MP was ordered to provide records of a total melt for aluminum and aluminum/bronze for the years 1999 and 2000. A NC was also issued requiring MP to apply for a change of permit condition in

order to reflect the correct amount of catalyst being used. MP was using more catalyst than allowed by permit (SCAQMD, 2000).

Annual emission records for 2001, 2003, 2004, 2006, and 2007 are available on the SCAQMD Facility Information Detail (FIND) website. The following toxic pollutants were emitted from the Site: ammonia, acetaldehyde, acrolein, benzene, ethyl benzene, formaldehyde, hexane, naphthalene, nickel, toluene, and xylenes (SCAQMD, 2010b).

The following SCAQMD criteria pollutants have been emitted from the Site: carbon monoxide, nitrogen oxides, reactive organic gases, sulfur oxides, and total suspended particulates (SCAQMD, 2010b).

#### 2.4.5 City of Vernon

#### Health Department

The County of Los Angeles Department of Public Health does not retain records for sites located in the City of Vernon. The City of Vernon Health Department holds records for sites within the city boundary (LADEH, 2010).

The City of Vernon has conducted inspections at the Site from April 3, 1991 to the present. As a result of inspections the City of Vernon has requested that MP make specific changes such as updating hazardous materials inventory lists and properly labeling hazardous waste containers. The inspection report dated August 20, 1996 required MP to "provide secondary containment for all hazardous materials/waste stored on exterior premises" as well as to "properly label all hazardous waste containers as to content and accumulation dates." On September 25, 2002, the City of Vernon issued an Official Notice of violation to MP for failing to pay for a hazardous materials health permit. The violation was abated on October 18, 2002 (CVHD, 1996; CVHD, 2002; CVHD, 2009).

A Hazardous Materials Establishment Reporting Form completed by MP on March 18, 1992 shows the following inventory: 1,1,1-TCA, stainless steel scrap, ferro silicon alloys, low carbon iron, ferro chrome LC Lump metal alloy, Chem-Rez 244 (furfuryl alcohol, phenol, and formaldehyde), Chem-Rez catalyst mixture – sulfonic acid (sulfonic acid and inorganic acid), casting wax, Duroc (calcium sulfate and silica), hydrochloric acid, 601 Investment (silica and calcium sulfate), 903 investment (silica and calcium sulfate), fused silica, resin coated sand (silica sand with phenolic resin), silica sand, Pep Set (formaldehyde, petroleum distillates, polymeric resin), Zip Slip (silicon, heptane, and aluminum), Zip Stik (aluminum silica, silicon dioxide, and acetone), molybdenum, and nickel. 1,1,1-TCA was stored in 55-gallon drums in the southwest corner of the open yard (CVHD, 2002).

Hazardous Materials Inventories from 1992 to 2009 include the following inventory in addition to the 2002 Hazardous Materials Establishment Reporting Form: acetylene, argon, carbon dioxide, isopropyl alcohol, nitrogen, oxygen. A 1997 Hazardous Materials

Inventory Report, noted that 1,1,1-TCA was still in use and stored in the southwest corner of the open yard. The daily average use was 30 gallons per day. According to the 1998 Hazardous Materials Inventory Report of 1998, 1,1,1-TCA was no longer in use at the Site (CVHD, 1992; CVHD, 1994; CVHD, 2008).

#### 3.0 HRS FACTORS

#### 3.1 Sources of Contamination

For HRS purposes, a source is defined as an area where a hazardous substance has been deposited, stored, disposed, or placed, plus those soils that have become contaminated from migration of a hazardous substance.

Potential hazardous substance sources associated with the Site include, but may not be limited to:

- 1,1,1-TCA may have been used at the Site from 1946 until 1988. The Site may have been unpaved during the time 1,1,1-TCA was used. 1,1,1-TCA was used from at least 1991 to 1997 (CVHD, 1994; DTSC, 2000).
- Annual emission records for the Site during 2001, 2003, 2004, 2006, and 2007 are available on the SCAQMD FIND website. The following toxic pollutants were emitted from the Site: ammonia, acetaldehyde, acrolein, benzene, ethyl benzene, formaldehyde, hexane, naphthalene, nickel, toluene, and xylenes (SCAQMD, 2010b).

#### 3.2 Groundwater Pathway

In determining a score for the groundwater migration pathway, the HRS evaluates: 1) the likelihood that sources at a site actually have released, or potentially could release, hazardous substances to groundwater; 2) the characteristics of the hazardous substances that are available for a release (i.e., toxicity, mobility, and quantity); and 3) the people (targets) who actually have been, or potentially could be, impacted by the release. For the targets component of the evaluation, the HRS focuses on the number of people who regularly obtain their drinking water from wells that are located within 4 miles of the site. The HRS emphasizes drinking water usage over other uses of groundwater (e.g., food crop irrigation and livestock watering), because, as a screening tool, it is designed to give the greatest weight to the most direct and extensively studied exposure routes.

#### 3.2.1 Hydrogeological Setting

The Los Angeles Basin and adjacent mountains are part of the Transverse Ranges physiographic province that is composed of parallel, east-west trending mountain ranges and sediment-filled valleys. Large areas of the Los Angeles Basin region are underlain by surficial deposits of clay, silt, sand, and gravel deposited by rivers that coursed across the basin to the Pacific Ocean. As the boundary between ocean and river-plain deposits

shifted back and forth over the last two million years, the subsurface geology of these surficial sediments reveals a complex pattern of marine and non-marine rock bodies and zones of varying grain size, texture, and permeability. The distinctive geological structure of the Transverse Ranges is dominated by the effects of north-south compressive deformation resulting in thrust faulting, strike-slip faulting, and bedrock folding, which provides geologic insight into groundwater flow (DWR, 1968; DWR, 2004).

In the vicinity of the Site, the Coastal Plain of Los Angeles Groundwater Basin's southeastern portion is referred to as the Central Subbasin, or Central Basin. Throughout the Central Basin, groundwater occurs in Holocene and Pleistocene age sediments at relatively shallow depths and is divided into forebay and pressure areas. The Los Angeles forebay is located in the northern part of the Central Basin where the Los Angeles River enters the Central Basin through the Los Angeles Narrows from the San Fernando Groundwater Basin. The aquifers underlying the site are, in descending order: the Gaspur, Semiperched, Bellflower, Gardena, Gage, Silverado, Lynwood, and Sunnyside. Recent alluvium beneath the site includes a thin zone of fine sand underlain by the Gaspur aquifer which extends to a depth of approximately 120 feet below ground surface (bgs). Underlying the Recent alluvium, sediments of the upper Pleistocene Lakewood Formation are present to a maximum depth of approximately 480 feet bgs. Unconformably underlying the Lakewood Formation, sediments of the lower Pleistocene San Pedro Formation extend to a depth of approximately 1,400 feet. Aguifers associated with the San Pedro Formation include the Silverado, Lynwood, and Sunnyside. Throughout much of the subbasin, the aquifers are confined; however semipermeable aquicludes allow aquifers to be interconnected. Although sufficient evidence is not available at this time, aquifer interconnection between the Gaspur through the Sunnyside is projected. Unconfined groundwater conditions and relatively interconnected aquifers that extend up to 1,600 feet deep provide recharge to the aquifer system of this subbasin (DWR, 2004).

Groundwater occurs within 20 to 43 feet bgs in the City of Vernon. Groundwater flow direction is to the southwest. Historically, groundwater flow in the Central Basin has been from recharge areas in the northeast part of the subbasin, toward the Pacific Ocean on the southwest. Percolation into the Los Angeles forebay is restricted due to paving and development and lowering water levels due to pumping has decreased subsurface outflow to the southwest (CV, 2010; DWR, 2004).

#### 3.2.2 Groundwater Targets

The nearest drinking water well is located within 0.25 to 0.5 mile of the Site (EPA, 2010c; Appendix C-1).

The California Water Service Company – East Los Angeles District operates a drinking water system that consists of 10 active wells that serve approximately 154,250 people. Currently, the California Water Service Company – East Los Angeles District obtains surface water from the Metropolitan Water District. All ten wells are located within 4 miles of the Site (CWS, 2010; EPA 2010c).

The City of Huntington Park operates a blended drinking water system that consists of six active wells that serve approximately 20,000 people. Currently, the City of Huntington Park obtains less than 40 percent of its drinking water from surface water intakes from the MWD. No individual well contributes greater than 40 percent to the system. All six wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-2).

The City of South Gate operates a blended drinking water system that consists of eight active wells that serve approximately 96,375 people. Currently, the City of South Gate obtains all of its drinking water from groundwater. No individual well contributes greater than 40 percent to the system. All eight wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-3).

The City of Vernon operates a drinking water system that consists of eight active wells that serve approximately 45,000 people. The water is not blended prior to distribution. Currently, the City of Vernon obtains approximately 27 percent of its drinking water from surface water intakes from the MWD. No individual well contributes greater than 40 percent to the system. All eight wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-1).

The Maywood Mutual Water Company #1 operates a blended drinking water system that consists of two active wells that serve approximately 5,500 people. Currently, the Maywood Mutual Water Company #1 obtains approximately 20 percent of its drinking water from surface water intakes. No individual well contributes greater than 40 percent to the system. Both of the two wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-4).

The Maywood Mutual Water Company #2 operates a blended drinking water system that consists of two active wells that serve approximately 2,500 people. Currently, the Maywood Mutual Water Company #2 obtains approximately 40 percent of its drinking water from surface water intakes. No individual well contributes greater than 40 percent to the system. Both wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-5).

The Maywood Mutual Water Company #3 operates a blended drinking water system that consists of three active wells that serve approximately 9,500 people. Currently, the Maywood Mutual Water Company # 3 obtains all of its water from groundwater wells. No individual well contributed greater than 40 percent to the system. All three of the wells are located within 4 miles of the Site (EPA 2010c, Appendix C-6).

The SCWC - Bell/Bell Gardens System operates a drinking water system that consists of six active wells that serve approximately 11,184 people. Currently, the SCWC - Bell/Bell Gardens System, obtains approximately 30 percent of its drinking water from surface water intakes from the MWD. No individual well contributes greater than 40 percent to the system. All six of the wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-7).

The SCWC - Florence/Graham System operates a blended drinking water system that consists of seven active wells that serve approximately 31,126 people. Currently, the SCWC, Florence/Graham System, obtains less than 10 percent of its drinking water from surface water intakes from the Metropolitan Water District (MWD). No individual well contributes greater than 40 percent to the system. Four of the seven wells are located within 4 miles of the Site (EPA, 2010c; Appendices C-7 and C-8).

The Tract 180 Mutual Water Company consists of two active wells that serve approximately 17,000 people (EPA, 2010c).

The Tract 349 Mutual Water Company consists of two active wells that serve approximately 7,500 people (EPA, 2010c).

The Walnut Park Mutual Water Company operates a drinking water system that consists of two active wells and one standby well that serve approximately 2,823 people. The water is not blended prior to distribution. Currently, the Walnut Park Mutual Water Company obtains all of its drinking water from groundwater. Neither well supplies greater than 40 percent to the system. Both wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-9).

#### 3.2.3 Groundwater Pathway Conclusions

There are 60 active drinking water wells within 4 miles of the Site with the nearest wells located between 0.25 and 0.5 mile to the north. A total population of approximately 412,624 is served by these wells (EPA, 2010c; Appendices C-1 to C-9).

#### 3.3 Surface Water Pathway

In determining the score for the surface water pathway, the HRS evaluates: 1) the likelihood that sources at a site actually have released, or potentially could release, hazardous substances to surface water (e.g., streams, rivers, lakes, and oceans); 2) the characteristics of the hazardous substances that are available for a release (i.e., toxicity, persistence, bioaccumulation potential, and quantity); and 3) the people or sensitive environments (targets) who actually have been, or potentially could be, impacted by the release. For the targets component of the evaluation, the HRS focuses on drinking water intakes, fisheries, and sensitive environments associated with surface water bodies within 15 miles downstream of the Site.

The Site is located in an industrial and residential area. Stormwater run-off is likely to enter drainages. The 15-mile surface water pathway begins at the Site and runs approximately 1 mile southeast to the Los Angeles River. The slope in and around the Site is to the southeast. The surface water pathway ends in the Los Angeles River. In March 2009, the California RWQCB notified MP that it had discharged zinc during stormwater run-off at concentrations of 17 mg/L and 1.6 mg/L from July 2008 to July 2009. The NPDES permit allows zinc to be discharged at a concentration of 0.117 mg/L

or less during stormwater run-off. There are no documented drinking water intakes or sensitive environments within the target distance limit of 15 miles downstream of the Site (DWR, 1981; RWQCB, 2009).

#### 3.4 Soil Exposure and Air Pathways

In determining the score for the soil exposure pathway, the HRS evaluates: 1) the likelihood that there is surficial contamination associated with the site (e.g., contaminated soil that is not covered by pavement or at least 2 feet of clean soil); 2) the characteristics of the hazardous substances in the surficial contamination (i.e., toxicity and quantity); and 3) the people or sensitive environments (targets) who actually have been, or potentially could be, exposed to the contamination. For the targets component of the evaluation, the HRS focuses on populations that are regularly and currently present on or within 200 feet of surficial contamination. The four populations that receive the most weight are residents, students, daycare attendees, and terrestrial sensitive environments.

In determining the score for the air migration pathway, the HRS evaluates: 1) the likelihood that sources at a site actually have released, or potentially could release, hazardous substances to ambient outdoor air; 2) the characteristics of the hazardous substances that are available for a release (i.e., toxicity, mobility, and quantity); and 3) the people or sensitive environments (targets) who actually have been, or potentially could be, impacted by the release. For the targets component of the evaluation, the HRS focuses on regularly occupied residences, schools, and workplaces within 4 miles of the site. Transient populations, such as customers and travelers passing through the area, are not counted.

The Site is located in an industrial area. The Site is currently entirely paved. Soil sampling has not been conducted at the Site. There are no daycares or schools within 200 feet of the Site (Appendix B).

#### 4.0 EMERGENCY RESPONSE CONSIDERATIONS

The National Contingency Plan [40 CFR 300.15 (b)(2)] authorizes the EPA to consider emergency response action at those sites which pose an imminent threat to human health or the environment. For the following reasons, a referral to EPA Region 9=s Emergency Response Section does not appear to be necessary:

• The Site is now completely paved. There are no residences, schools or daycare facilities on, or within 200 feet, of the Site. There are no terrestrial sensitive environments onsite (Appendix B).

#### 5.0 SUMMARY

The Modern Pattern & Foundry Co. (MP) business began operating at the Site in 1946. The Site was vacant prior to 1946. MP operated nearby the Site beginning in 1938. The Site layout is shown in Figure 2. The Site consists of a warehouse, Building 1, a standalone Building 2, and a parking lot. Operations take place inside the warehouse. Building 2 was built in 1968 and contains ceramic ovens, a furnace, and stores solid metals.

Roland Meckel is currently the owner of the Site. Mr. Meckel began working at the Site in 1967 and has functioned as General Manager at the Site from 1983 to the present. Mr. Meckel purchased the MP business and Site in 1994. E. C. Hesselberg owned the Site from 1986 time until 1994. Prior to 1986, the Site was owned by E. C. Hesselberg and two unknown shareholders. The heirs of the two unknown shareholders sold their holdings in the company 1978 and 1986.

The Site has operated as a foundry creating aluminum, aluminum/bronze, and steel castings since 1946. At times castings were poured directly onto the ground during early operations. The Site was paved at an unknown time. 1,1,1-trichlorothane (1,1,1-TCA) may have been used at the Site from 1946 until 1988. 1,1,1-TCA was used from at least 1991 to 1997 at a rate of approximately 30 gallons per day. Formaldehyde was used prior to 1990 for and unknown amount of time.

The DTSC conducted site reconnaissance at the Site in order to prepare an EPA Region 9 Site Screening/Prioritization Checklist for the Site in 1999. The following activities were observed at the Site. MP creates castings using wax moldings or sand moldings. Chemicals are sometimes added to metal in order to impart specific qualities to a casting. Aluminum, aluminum/bronze, and steel are stored in steel drums. A small amount of solvent is stored outside. Solvent waste is generated at a rate of 15 per month. Aluminum and steel metals are stored in wooded boxes inside the warehouse. Liquids are stored in steel drums inside the warehouse. Chemicals are waste are stored in secondary containment. A typical casting created at the Site could contain 290 pounds of metal and 10 pounds of chemical. The DTSC also noted poor housekeeping during a drive-by of the Site in 1997.

The following pertinent Hazard Ranking System factors are associated with the site:

- There are 60 active drinking water wells within 4 miles of the Site with the nearest wells located between 0.25 and 0.5 miles to the north. A total population of approximately 412,624 is served by these wells.
- The Site is located in an industrial and residential area. Stormwater run-off is likely to enter drainages. The 15-mile surface water pathway begins at the Site and runs approximately 1 mile southeast to the Los Angeles River. The slope in and around the Site is to the southeast. The surface water pathway ends in the Los Angeles River. In March 2009, the California Environmental Protection Agency Regional Water Quality Control Board notified MP that it

had discharged zinc during stormwater run-off at concentrations of 17 milligrams per liter (mg/L) and 1.6 mg/L from July 2008 to July 2009. The NPDES permit allows zinc to be discharged at a concentration of 0.117 mg/L or less during stormwater run-off. There are no documented drinking water intakes or sensitive environments within the target distance limit of 15 miles downstream of the Site.

• The Site is now completely paved. There are no residences, schools or daycare facilities on, or within 200 feet, of the Site. There are no terrestrial sensitive environments onsite

### 6.0 REFERENCES

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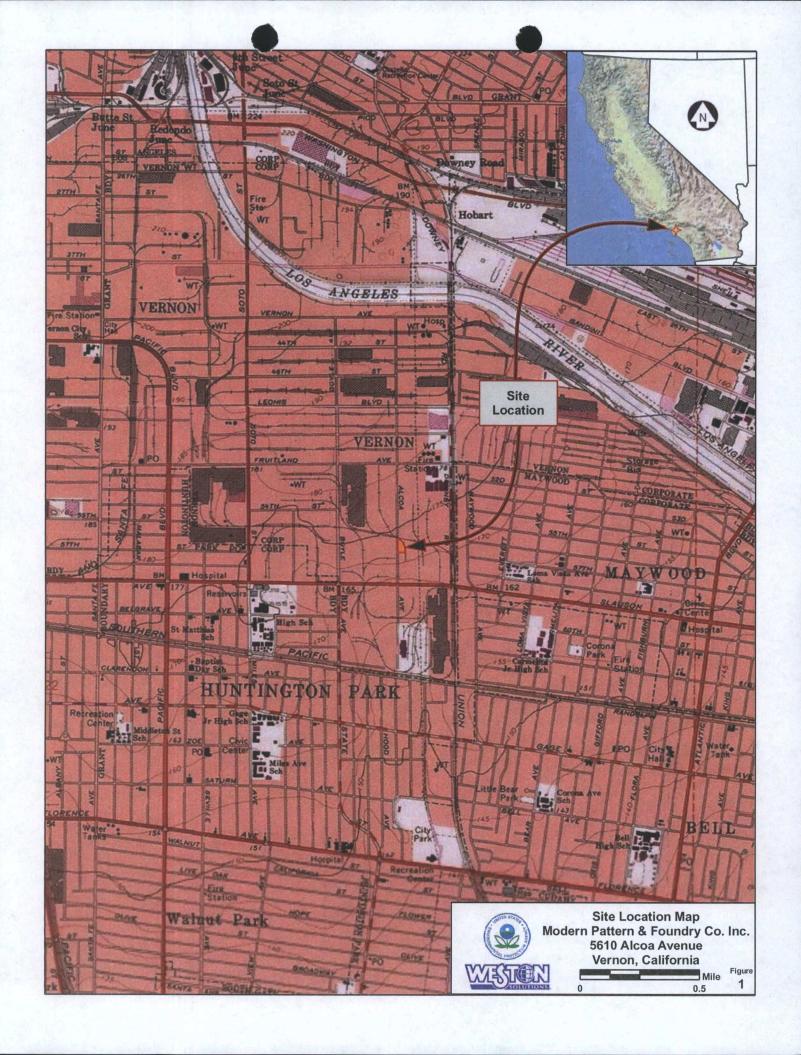
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EPA 2010b	EPA, Envirofacts Warehouse Resource Conservation and Recovery Act Information System Query Results, http://www.epa.gov/enviro/html/rcris/rcris_query_java.html, data extracted May 20, 2010.	
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## Appendix A Transmittal List

Date: June 29, 2010

Site Name: Modern Pattern & Foundry Co. Inc.

EPA ID No.: CAD982025488

A copy of the Preliminary Assessment Report for the Modern Pattern & Foundry Co. Inc. site should be sent to the following recipients:

Roland Meckel Property Owner and Manager 5610 Alcoa Avenue Vernon, CA 90058

Greg Holmes California Environmental Protection Agency Department of Toxic Substances Control 5796 Corporate Avenue Cypress, CA 90630

File Room California Environmental Protection Agency Regional Water Quality Control Board Los Angeles Region 320 W. 4<sup>th</sup> Street, Suite 200 Los Angeles, CA 90013

File Room City of Vernon Health Department 4035 S. Santa Fe Avenue Vernon, CA 90058

Rafael Villa File Room South Coast Air Quality Management District 21865 Copley Drive Diamond Bar, CA 91765

## Appendix A Transmittal List

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Cypress, CA 90630

File Room California Environmental Protection Agency Regional Water Quality Control Board Los Angeles Region 320 W. 4<sup>th</sup> Street, Suite 200 Los Angeles, CA 90013

File Room City of Vernon Health Department 4035 S. Santa Fe Avenue Vernon, CA 90058

Rafael Villa File Room South Coast Air Quality Management District 21865 Copley Drive Diamond Bar, CA 91765 Appendix B
Site Reconnaissance Interview and Observation Report/
Photographic Documentation

#### SITE RECONNAISSANCE OBSERVATION REPORT

DATE: June 24, 2010

OBSERVATIONS MADE BY: Mark Dominick, Weston Solutions, Inc.

SITE: Modern Pattern & Foundry Co., Inc. (MP)

EPA ID: CAD982025488

A Site reconnaissance visit was conducted on June 24, 2010. The following information was obtained and photographs were taken:

The Modern Pattern and Foundry Company site (Site) is located at 5610 Alcoa Avenue, in Vernon, California. The Site consists of two small buildings, one made of corrugated metal, and the other constructed of brick and corrugated metal. The entire Site is fenced with concertina wire on top, and is accessible only to authorized persons. At the time of the site reconnaissance, employees were onsite, cars were present in the parking area, and forklift operations and material handling activities were observed.

The Site is bounded immediately to the north by railroad tracks and the Kagan Trim Center, an apparel accessorizing company. The Site is bounded to the east by Lubricating Specialties Company, a blender and packager of lubricating oils and greases. The Site is bounded to the south by Royal Roof Corporation, a roofing contractor, and to the west across Alcoa Avenue by Sandberg Furniture, a furniture manufacturer.

Run-off appears to be sheet flow west across the site to Alcoa Avenue. A roof drainpipe observed on the building empties onto the driveway along Alcoa Avenue. A storm drain is located on the curb along Alcoa Avenue just south of the Site near Royal Roof Corporation. No residences, schools or daycares were observed on or in the vicinity of the Site.



Photo 1: View of Site from Alcoa Avenue (facing east-northeast).



Photo 2: View of Kagan Trim Center north of the Site.



Photo 3: View of the Lubricating Specialties Company located east of the Site.



Photo 4: View of the Royal Roof Corporation located south of Site.

# Appendix C Contact Log and Reports

SITE: Modern Pattern & Foundry Co. Inc. EPA ID NO.: CAD982025488

Name	Affiliation	Phone	Date	Information
Hank Aceves	Southern California Water Company	(562) 907-9200 ext. 424	03/03/04	Contact Report 8
Hank Aceves	Southern California Water Company	(562) 907-9200 ext. 424	07/29/08	Contact Report 7
Beatrice	Maywood Mutual Water Company #2	(323) 581-5816	11/24/08	Contact Report 5
Chris Castillo	City of South Gate	(323) 563-5796	07/31/08	Contact Report 3
Veronica Hedley	Maywood Mutual Water Company #3	(323) 560-3657	11/04/08	Contact Report 6
Sergio Palos	Maywood Mutual Water Company #1	(323) 560-2439	09/24/08	Contact Report 4
Rosa Parra	Walnut Park Mutual Water Company	(323) 585-7321	09/24/08	Contact Report 9
Scott Rigg	City of Vernon, Water Department	(323) 583-8811 ext. 279	09/25/08	Contact Report 1
Jim Williams	Huntington Park Water Department	(323) 587-5969	11/24/03	Contact Report 2

AGENCY/AFFILIATION: City of Vernon			
DEPARTMENT: Water Dep	artment		
ADDRESS/CITY: 4305 San	ta Fe Avenue, Vernon		
COUNTY/STATE/ZIP: Los Angeles, California, 90630			
CONTACT(S)	TITLE	PHONE	
Scott Rigg	Water Operations Supervisor	(323) 583-881·1 ext. 279	
PERSON MAKING CONTACT: Amanda K.C. Reilly DATE: 9/25/2008			
SUBJECT: Drinking water well information			
SITE NAME: Modern Pattern & Foundry Co. Inc. EPA ID#: CAD982025488			

The City of Vernon Water Department operates eight active drinking water wells that serve a population of approximately 45,000. Approximately 27 percent of the water distributed by the City of Vernon comes from surface water sources purchased from the Metropolitan Water District. The remaining 73 percent distributed comes from groundwater. None of the wells supply more than 40 percent to the system. In September 2008, Well 18 was destroyed. Previous sampling had indicated Well 18 having elevated concentrations of perchlorate, 1-2-dichloroethane and trichloroethene.

Due to confidentiality of the information provided by the City of Vernon Water Department, the well location information is included in the Confidential Information Packet of the report.

AGENCY/AFFILIATION: ECO Resources, Inc./ Huntington Park Water Department				
DEPARTMENT: Wa	ater Department			
ADDRESS/CITY: 6900 Bissell Street, Huntington Park CA 90255				
	TITLE			
CONTACT(S)		PHONE		
Jim Williams	Manager	(323) 587-5969		
WESTON EMPLOYEE: Denise Leong DATE: 11/24/03				
SUBJECT: Drinking Water System				
SITE NAME: Modern Pattern & Foundry Co. Inc. EPA ID#: CAD982025488				

The Huntington Park water drinking water distribution system serves approximately 20,000 customers. The system consists of six wells and one Metropolitan Water District intake. All seven supplies currently feed the system. None of the supply sources provide more than 40 percent of the total demand at any given time. Addresses of all sources were confirmed with past contact reports.

Well #15 is treated by an air stripping system to reduce trichloroethylene (TCE) levels. Well #17 is treated with activated carbon to reduce carbon tetrachloride (CTC) levels. Volatile Organic Compound (VOC) levels do exceed the Maximum Contaminant Levels (MCLs) but are reduced to non-detect via treatment.

AGENCY/AFFILIA	ATION: City of South Gate		
DEPARTMENT: P	Public Works		
ADDRESS/CITY:	4244 Santa Ana Street, South G	ate	,
COUNTY/STATE/ZIP: Los Angeles, California, 90280			
CONTACT(S)	TITLE	PH	ONE
Chris Castillo	Castillo Water Engineer (323) 357-9657/ (323) 563-		3) 357-9657/ (323) 563-5796
PERSON MAKING CONTACT: John Walter DATE: 7/31/2008			
SUBJECT: Drinking water well information			
SITE NAME: Modern Pattern & Foundry Co. Inc. EPA ID#: CAD982025488			

The City of South Gate water distribution system serves approximately 96,375 customers. The blended system consists of eight active drinking water wells (Wells 13, 14, 18, 19, 23, 24, 26, and 27), and one inactive well (Well 25). These groundwater wells provide 100 percent of the drinking water. No single well provides more than 40 percent of the total demand at any given time.

In 2002 water quality sampling, tetrachloroethene (PCE), trichloroethylene (TCE), and hexavalent chromium has been detected. PCE has been detected in Wells 13, 14, 18, and 19. The PCE at these four wells are currently being treated at the wellhead. In standby Well 7, TCE has been found up to 8.8 micrograms per liter ( $\mu$ g/L) and hexavalent chromium up to 86  $\mu$ g/L. In standby Well 22B, PCE has been found up to 8.8  $\mu$ g/L. These wells are currently offline.

Due to confidentiality of the information provided by the City of South Gate, the well location information is included in the Confidential Information Packet of the report.

AGENCY/AFFILIATION: Maywood Mutual Water Company #1			
DEPARTMENT: Water Dep	artment		
ADDRESS/CITY: 5953 Giff	ord Avenue, Huntington Parl	ζ	
COUNTY/STATE/ZIP: Los Angeles, California, 90255			
CONTACT(S)	TTACT(S) TITLE PHONE		
Sergio Palos	Sergio Palos General Manager (323) 560-2439		
PERSON MAKING CONTACT: Amanda K.C. Reilly DATE: 9/24/2008			
SUBJECT: Drinking water well information			
SITE NAME: Modern Pattern & Foundry Co. Inc. EPA ID#: CAD982025488			

The Maywood Mutual Water Company #1 operates two active drinking water wells (Well 3 and Well 4) that serve a population of 5,500. Approximately 20 percent of the water distributed is surface water purchased from Metropolitan Water District. The remaining 80 percent is groundwater. Neither of the wells provide greater than 40 percent to the system. The Silverado aquifer supplies the water for the drinking water wells. Volatile organic compounds have not been detected in either of the wells. Manganese has been detected in Well 4 at concentrations higher than the Maximum Contaminant Level (MCL). Well 3 has also had a detection of manganese, but further sampling has indicated levels below the MCL or non-detect.

Due to confidentiality of the information provided by the Maywood Mutual Water Company #1, the well location information is included in the Confidential Information Packet of the report.

AGENCY/AFFILIATION: Maywood Mutual Water Company #2			
DEPARTMENT: W	DEPARTMENT: Water Department		
ADDRESS/CITY: 3	3521 Slauson Avenue, Maywood		
COUNTY/STATE/ZIP: Los Angeles, California, 90270			
CONTACT(S)	TITLE PHONE		
Beatrice	Office Clerk	(323) 581-5816	
PERSON MAKING CONTACT: Amanda K.C. Reilly DATE: 11/14/2008			
SUBJECT: Drinking water well information			
SITE NAME: Modern Pattern & Foundry Co. Inc. EPA ID#: CAD982025488			

The Maywood Mutual Water Company #2 operates a drinking water supply system that contains two active drinking water wells that serve a population of approximately 2,500 people. The Maywood Mutual Water Company #2 obtains 60 percent of its drinking water from groundwater and the remaining 40 percent is surface water purchased from the Metropolitan water district. No one well contributes more than 40 percent to the system.

Due to confidentiality of the information provided by the Maywood Mutual Water Company #2, the well location information is included in the Confidential Information Packet of the report.

AGENCY/AFFILIATION: Maywood Mutual Water Company #3			
DEPARTMENT: Water Department			
ADDRESS/CITY: 615	1 Heliotrope Avenue, Maywood	,	
COUNTY/STATE/ZIP: Los Angeles, California, 90270			
CONTACT(S)	TITLE PHONE		
Veronica Hedley	Assistant Manager (323) 560-3657		
PERSON MAKING CONTACT: Amanda K.C. Reilly DATE: 11/14/2008			
SUBJECT: Drinking water well information			
SITE NAME: Modern Pattern & Foundry Co. Inc. EPA ID#: CAD982025488			

The Maywood Mutual Water Company #3 operates a drinking water supply system that contains three active drinking water wells that serve a population of approximately 9,500 people. The Maywood Mutual Water Company #3 obtains all of its drinking water from groundwater. No one well contributes more than 40 percent to the system. There has been no contamination detected in the three drinking water wells.

#### **CONTACT REPORT 7**

AGENCY/AFFILIATI	ON: Southern California W	ater Cor	npany
DEPARTMENT: Cen	tral District		
ADDRESS/CITY: 120	35 Burke Street, Suite 1, Sa	nta Fe S	prings
COUNTY/STATE/ZIP	: Los Angeles, California, 9	1773	
CONTACT(S)	TITLE	PH	ONE ·
Hank Aceves	Water Supply Superintendent	(56	(2) 907-9200 ext. 424
PERSON MAKING C	ONTACT: John Walter	DA	ATE: 7/29/2008
SUBJECT: Drinking v	vater well information		
SITE NAME: Modern	Pattern & Foundry Co. Inc.		EPA ID#: CAD982025488

#### Florence-Graham System

The blended Florence-Graham System operates 9,432 service connections (multiply by 3.3 persons per service connection equals a population of 31,126 served) and consists of seven active wells. Goodyear Well #4 was reactivated in November 2005. It is being treated for trichloroethene (TCE) and tetrachloroethene (PCE) contamination prior to distribution. No well contributes more than 40 percent to the system. Southern California Water Company (SCWC) purchases less than 10 percent of the water within the system from the Metropolitan Water District (MWD). Static groundwater level in the area is approximately 180 feet below ground level.

#### Bell/Bell Gardens System

The Bell/Bell Gardens System operates 3,389 service connections (multiply by 3.3 persons per service connection equals a population of 11,184 served). The system consists of six active wells (Clara #2, Gage #2, and Otis #3, Priory #2, Bissell #2, Watson #1) that supply 70 percent of the water in the system. The remaining 30 percent is provided by MWD. Otis Well #3 recently replaced wells Otis #1 and Otis #2. No individual well supplies more than 40 percent of the total supply. Watson #1 is being treated for TCE and PCE.

Due to confidentiality of the information provided by the Southern California Water Company, the well location information is included in the Confidential Information Packet of the report.

#### **CONTACT REPORT 8**

AGENCY/AFFILIA	ΓΙΟΝ: Southern California Water	Company
DEPARTMENT: Ce	entral District	
ADDRESS/CITY: 1	2035 Burke Street, Suite 1, Santa I	Fe Springs
COUNTY/STATE/Z	IP: Los Angeles County, CA 9177	73
CONTACT(S)	TITLE	PHONE
Hank Aceves	Water Supply Superintendent	(562) 907-9200 ext. 424
PERSON MAKING	CONTACT: Michelle Zehr	DATE: 03/03/04
SUBJECT: TCE Cor	ntamination	
SITE NAME: Moder	n Pattern & Foundry Co. Inc.	EPA ID#: CAD982025488

#### Florence-Graham System

Mr. Aceves confirmed that the Goodyear #4 well is offline due to detection of Volatile Organic Compounds (VOCs), specifically trichloroethene (TCE) and tetrachloroethene (PCE), in the water supply. When WESTON spoke to Mr. Aceves on December 2, 2003, Converse #1, which had been recorded as offline due to elevated TCE levels in previous contact reports, had been reactivated when VOC concentrations dropped below Maximum Contaminant Levels (MCLs). The date of reactivation prior to the December 2, 2003 conversation is unknown. On March 3, 2004, Mr. Aceves stated that as of December 4, 2003, VOC levels again exceeded MCLs and the well was taken offline. This well is currently in design for treatment. VOCs have not affected Converse #2 and the well remains active.

#### **CONTACT REPORT 9**

AGENCY/AFFILIATI	ON: Walnut Park Mutual Water C	Company
DEPARTMENT: Wate	er Department	
ADDRESS/CITY: 246	60 East Florence Avenue, Huntingt	on Park
COUNTY/STATE/ZIP	2: Los Angeles, California, 90255	
CONTACT(S)	TITLE	PHONE
Rosa Parra	Office Manager	(323) 585-7321
PERSON MAKING C	ONTACT: Amanda K.C. Reilly	DATE: 9/24/2008
SUBJECT: Drinking v	vater well information	
SITE NAME: Modern	Pattern & Foundry Co. Inc.	EPA ID#: CAD982025488

The Walnut Park Mutual Water Company operates two active drinking water wells (Well 10 and Well 11) that serve a population of 2,823. An additional well, Well 12, is a standby well and is currently non-operational and not contributing any water to the system. All of the water distributed is from groundwater. Walnut Park Mutual Water Company stopped purchasing surface water from the Metropolitan Water District in December 2006. Water from the two wells is blended evenly prior to distribution. Contamination has not been detected in either well.

Due to confidentiality of the information provided by the Walnut Park Mutual Water Company, the well location information is included in the Confidential Information Packet of the report.

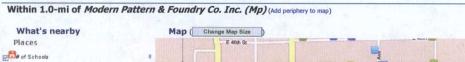
## Appendix D

Latitude and Longitude Calculation Worksheet

# Latitude and Longitude Calculation Worksheet (7.5' quads) Using an Engineer=s Scale (1/50)

Site Name	Modern Pattern & Foundry Co. Inc. CERCLIS # C A D 9 8 2 0 2 5 4 8 8
AKA	
Address	5610 Alcoa Avenue
City	Vernon         State         C         A         ZIP         90058
Site Reference Point	
USGS Quad Name	Scale 1:24,000
Township	Range Section 3 3 3
Map Datum	1927 1983 (Check one) Meridian
Map coordinate Latitude	s at southeast corner of 7.5' quadrangle (attach photocopy)  E
	s at southeast corner of 2.5' grid cell
Latitude	E AN Longitude E > AW
	Calculations
LATITUDE(x)	
,	A) Number of ruler graduations between 2.5' (150") grid lines (a)
ı	B) Number of ruler graduations between south grid line and the site reference point (b)
	C) Therefore, a/150 = b/x, where x= Latitude in decimal seconds, north of the south grid line
E	xpressed as minutes and seconds (1' = 60") =   E   >   AN
	d to grid cell latitude = E AN E AN AN
Sit	e latitude = 3 3 E 5 9 > 3 2 AN"
LONGITUDE(y)	3 3 2 3 7 3 Z AN
,	A) Number of ruler graduations between 2.5' (150") grid lines (a)
	B) Number of ruler graduations between south grid line and the site reference point (b)
	C) Therefore, $a/150 = b/x$ , where $x = Longitude$ in decimal seconds, west of the east grid line
E	Expressed as minutes and seconds (1" = 60") = E AW
Add	to grid cell longitude = E AN AN E AN AN
Si	te longitude = 1 1 8 E 1 2 > 3 1 AW@

### ₩What's Nearby











# Appendix E References

### **CV 2010**

City of Vernon, Rigg, Scott, Email to: Fitzgerald, Tara, Re: City of Vernon Groundwater Information, June 24, 2010

#### Fitzgerald, Tara

From:	Rigg, Scott [SRigg@ci.vernon.ca.us
Sent:	Thursday, June 24, 2010 10:09 AM
To:	Fitzgerald, Tara
Subject:	RE: City of Vernon groundwater info

No! Groundwater flow is southwest!

<b>From:</b> Fitzgerald, Tara	[mailto:Tara.Fitzgerald@WestonSolutions.com]
-------------------------------	--

**Sent:** Sunday, June 20, 2010 4:13 PM

To: Rigg, Scott

Subject: City of Vernon groundwater information

Dear Steve,

I am collecting water purveyor information in order to complete a Preliminary Assessment for the EPA Region 9. In September 2008, A WESTON employee discussed City of Vernon groundwater information with you. During that discussion you noted that Well 18 was destroyed due to elevated concentrations of perchlorate, 1-2-dichloroethane and trichloroethene. Has contamination of any other wells at concentrations above MCLs occurred since September 2008?

Also, do you know the groundwater flow direction in the City of Vernon?

Thank you for your help in this matter.

Sincerely,

Tara Fitzgerald

Associate Project Scientist

Weston Solutions, Inc.

428 Thirteenth Street

6th Floor, Suite B

Oakland, CA 94612

#### Tara.Fitzgerald@westonsolutions.com

CONFIDENTIALITY: This email and attachments may contain information which is confidential and proprietary. Disclosure or use of any such confidential or proprietary information without the written permission of Weston Solutions, Inc. is strictly prohibited. If you received this email in error, please notify the sender by return e-mail and delete this email from your system. Thank you.

### **CVHD 1992**

City of Vernon Health Department, Hazardous Materials Establishment Reporting Form, Modern Pattern & Foundry Co., March 18, 1992

Page 1 of \_//\_

Reporting Period 1/1 to 12/31 19 90 91-92

# HEALTH & ENVIRONMENTAL CONTROL



4305 Santa Fe Avenue, Vernon, CA 90058

FIRE DEPARTMENT COPY

(213) 583-8811, Ext. 272

### 

Please Use Typewriter or Print Clearly
REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

TEPER TO GOIDE FOR EXPL	ANATION OF FORM ELEMENTS
I. FACILITY & OWNER / OPERATOR IDENTIFIC Business Name: MODERN PATTERN & FOUNDR	ATION Y CO.
Facility Street Address: 5610 Alcoa Avenue	
City: Vernon,	State: CA Zip Code: 90058-3793
Dun & Bradstreet No.: 00-837-9828	State: CA Zip Code: 90058-3793 SIC Code (4 digit #): 3325 & 3361 errous Foundry
Nature of Business: Ferrous and Non-F	errous Foundry
Owner / Operator Name: MODERN PATTERN & FOUN	DRY CO. Phone Number: 213-583-4921
City: Vernon,	DRY CO. Phone Number: 213-583-4921 State: CA Zip Code: 90058-3793
II. EMERGENCY CONTACTS / FACILITY EMER	GENCY COORDINATOR
Driman,	Casandani
Name: Roland R Mackel	Name: Secondary
Rusinose Phono: 213–583–4921	Name: 0dan A3-11ddsco
24 Hour Phone: EX-6 Personal Privacy	24-Hour Phone: FX-6 Personal Privacy FX-6 Personal Privacy
Primary Name: Roland B. Meckel Business Phone: 213–583–4921 24-Hour Phone: FX-6 Personal Privacy Title: President	Title: Plant Superintendent
Title: President Name of Facility Emergency Coordinator if different from ab	nue Poland B Mogkol
warne or r actinty Emergency Coordinator in different from an	ove. Koland B. Meckel
For State/Fed planning:   We handle Extremely Hazardon	us Substances / Acutely Hazardous Materials
,	
☐ There are school(s) / hospital(s) / extended care facilities	within 1,000 ft. (straight line distance) of my facility.
PROPERTY OWNERS IN 11/13/	
PROPERTY OWNER'S INFORMATION ' '	
Name: B-C- Hasselberg and R.B	. Meckel
Address: 5610 Alcoa Avenue, Vern	on, CA Phone Number: 213-583-4921
PERMIT INFORMATION: A. L.A. Sanitation Distri	ct (Industrial Waste) 1333 lity Management District 013030
REVIEW THE LIST OF AGENCY NAMES.  IF YOUR BUSINESS HAS A PERMIT ISSUED BY  B. South Coast Air Qua	lity Management District 013030
ANY OF THEM FOR HAZARDOUS C. Environmental Prote	ction Agency Identification No. CAD 982025488
SUBSTANCES OR WASTE, GIVE THE PERMIT D. Other Agency, Speci	fy name
ADMINISTERING AGENCY USE	
Facility I.D. #6/48 Application Fee	Amendment Fee
I CERTIFY UNDER PENALTY OF PERJURY THAT THE ABOVE INFORMA	
HEREBY CONSENT TO ALL NECESSARY INSPECTIONS MADE PURSU	ANT TO LAW AND INCIDENTAL TO THE ISSUANCE OF THIS PERMIT.
Mol (rain	
Signature of Business Owner or Authorized Aepresentative	· · · · · · · · · · · · · · · · · · ·
Mel Craig	
Printed Name	1 . 1 710.02.10
	1991 O.B. Poster By 2-18-92 LG
Controller Dec. 17	1331 U.B. Poster By 2-18-92 LU

# CITY OF VERNON

HAZARDOUS MATERIALS INVENTORY

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					DESCRIPTION	
Common Name:	Sta	ainl	.ess	St	eel Scrap	CAS #: N/A DOT #: N/A
Chemical Name:	Ste	eel_	All	оу_		_ DOT #:
X	/ 1 Solid □ Liau	ıid □	Gas	ΠPi	ure 🗇 Mixture 🗇 Waste	UN/NA #:
					curries)	Annual Amount Generated:
		•_			C Constitution	GENERAL HAZARD CLASS *
WASTE CLASSIFICATION	☐ Tox ☐ Re		•		☐ Corrosive mely Hazardous	Class 3 Description Corrosive
		<del> </del>				HEALTH
PHYSICAL & HEALTH HAZARD CATEGORIES					SICAL 	Immediate Health Delayed Health
HAZARD CATEGORIES	☐ Fire C	J Rea	ctive	☐ St	udden Pressure Release	(Acute) (Chronic)
AMOUNT & TIME	UNITS				Maximum Daily Amou	nt 40,000 No. Days on-site 365
AT FACILITY	☐ gals.	X IP	s. 🛘	cu. ft.	Average Daily Amount	Largest container on-site (Amount): 2,650
*	Location #	C:	P:_	T:	Location (Also indicate location on	
STORAGE	245	E	1	4	2-C	
CODES & LOCATIONS:	243			<u> </u>	2-0	
(use codes provided)						
			-	-		
MIXTURE: list the three	1. Name	Ir	on		2. Name Nickel	3. Name Chromium
most hazardous components (by wt.)						
	CAS # 1309	9-37	<u>'-1%</u>	. WT.	45   CAS # /440-02-	0% WT. 36 CAS # 7440-47-3% WT. 27
					DESCRIPTION	
						i
Common Name:	Ferr	co. S	ili	con	Alloys	CAS #: 8049-17-0
Common Name: Chemical Name:	Ferr FeSi	co S	ili Fe/	con 2Si,	Alloys /5	_ DO1#
Chemical Name:	resi	L.	re/	ZS1,	/5	CAS #: 8049-17-0  DOT #: N/A  UN/NA #:  If Waste is checked,
Chemical Name:	FeSi   Solid □ Liqu	id 🗆	Gas	2 <b>S1,</b> D Pu	Alloys /5  ure	UN/NA #:
☐ Trade Secret	FeSt Solid □ Liqu Radioactive (i	id □ if radio	Gas pactive	ZS1, © Pu	ure	UN/NA #:
Chemical Name:	FeSi   Solid □ Liqu   Radioactive (i   □ Tox	id □ if radio	Gas pactive	ZS1, ☐ Pu Pr Pr Pritable	ure	UN/NA #:  If Waste is checked,  Annual Amount Generated:  GENERAL HAZARD CLASS *
☐ Trade Secret	FeS:   Solid □ Liqu   Radioactive (i	id □ if radio	Gas pactive	© Pu	ure	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class Description ORM
Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH	FeSi Solid □ Liqu Radioactive (i □ Tox □ Re	id □ if radio	Gas pactive	D Pu	Ure ☐ Mixture ☐ Wastecurries) ☐ Corrosive mely Hazardous	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class ORM  HEALTH Immediate Health , Delayed Health
U Trade Secret  WASTE CLASSIFICATION	FeSi Solid □ Liqu Radioactive (i □ Tox □ Re	id □ if radio	Gas pactive	D Pu	ure	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 20 Description ORM  HEALTH Immediate Health  (Acute) Chronic)
Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH	Solid Lique (in Padioactive (i	id Dif radio	Gas pactive	D Publicable Extre	Ure Mixture Waste curries)  Corrosive mely Hazardous  CICAL udden Pressure Release  Maximum Daily Amount	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 20 Description ORM  HEALTH Immediate Health Delayed Health (Acute) Chronic)  nt 10,000 No. Days on-site 365
Trade Secret  Waste CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES	Solid    Liqu Kadioactive (i	id Dif radio	Gas pactive	D Publicable Extre	Ure Mixture Waste curries)  Corrosive mely Hazardous  CICAL udden Pressure Release  Maximum Daily Amount	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 20 Description ORM  HEALTH Immediate Health Delayed Health (Acute) (Chronic)  Int 10,000 No. Days on-site 365 Largest container
Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY	Solid Lique (in Padioactive (i	id Dif radio	Gas pactive	D Publicable Extre	Dire	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class20DescriptionORM  HEALTH Immediate HealthDelayed Health
Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  * STORAGE	Solid Lique (in Padioactive (i	id Dif radio	Gas pactive IEASUs. I	D Puitable Extre PHYS D St JRE cu. ft.	Corrosive mely Hazardous  CICAL dden Pressure Release  Maximum Daily Amount Average Daily Amount Location (Also indicate location on	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class20DescriptionORM  HEALTH Immediate HealthDelayed Health
Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *	FeSi Solid   Liqu Radioactive (i Tox Re	id Dif radio	Gas pactive	D Publicable Extre	Corrosive mely Hazardous  CICAL dden Pressure Release  Maximum Daily Amount Average Daily Amount	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class20DescriptionORM  HEALTH Immediate HealthDelayed Health
Trade Secret  Waste CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes	Solid Lique (in Padioactive (i	id Dif radio	Gas pactive IEASUs. I	D Puitable Extre PHYS D St JRE cu. ft.	Corrosive mely Hazardous  GICAL adden Pressure Release  Maximum Daily Amount Average Daily Amount Location (Also indicate location on	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 20 Description ORM  HEALTH Immediate Health Delayed Health (Acute) (Chronic)  nt 10,000 No. Days on-site 365 Largest container Largest container 1,200 on-site (Amount): 400
Trade Secret  Waste CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS:	Solid Lique (in Padioactive (i	id Dif radio	Gas pactive IEASUs. I	D Puitable Extre PHYS D St JRE cu. ft.	Corrosive mely Hazardous  GICAL adden Pressure Release  Maximum Daily Amount Average Daily Amount Location (Also indicate location on	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class20DescriptionORM  HEALTH Immediate HealthDelayed Health
Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes provided)	Solid   Liquit Radioactive (in the control of the c	id Dif radio	Gas pactive Ign	D Puitable Extre PHYS D St JRE cu. ft.	Corrosive mely Hazardous  GICAL  Idden Pressure Release  Maximum Daily Amount Average Daily Amount Location (Also indicate location on	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 20 Description ORM  HEALTH Immediate Health Delayed Health (Acute) (Chronic)  nt 10,000 No. Days on-site 365 Largest container 1,200 on-site (Amount): 400  site map)
Trade Secret  Waste CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes	Solid Lique (in Padioactive (i	id Difference ic active  ORea OF Model Ibs	Gas pactive Ign	D Puitable Extre PHYS D St JRE cu. ft.	Corrosive mely Hazardous  GICAL adden Pressure Release  Maximum Daily Amount Average Daily Amount Location (Also indicate location on	UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class20DescriptionORM  HEALTH Immediate HealthDelayed Health

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Reporting Period 1/1 to 12/31 19 90

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#### REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

111.117.271.121							· · · · · · · · · · · · · · · · · · ·	
					DESCRIPTION			
Common Name:	Low Carl	າດກ	Troi	n		CAS#-	1309-3	7-1
Chemical Name:	Steel A	llov				_ DOT #:	1309-3 N/	A
Onamical Name.	00001	<u>,-</u>				UN/NA #:		
à	Solid Tilio	uid C	7 Gas	. np	ure  Mixture  Waste		le is checked,	
					curries)		Amount Generated:	•
	3 1 120101201148	(ii raoi	Dactiv	• - <del></del>	Comes	: `	Annoon Concideo.	
	oT to		C 10:	nitable	☐ Corrosive		SENERAL HAZARD	CLASS .
WASTE CLASSIFICATION			_		mely Hazardous	j		
	55	Baclive	ט פ	EXIIE	illely riazaroous	Class_N/	A Description	••
			<del></del>	PHYS	SICAL		HEALTH	
PHYSICAL & HEALTH HAZARD CATEGORIES					-m	Immediate		Delayed Health
HAZAND OATEOOTHEO	☐ Fire	☐ Rea	active	O S	udden Pressure Release	□ (Ac	ute)	☐ (Chronic)
	LINIT	SOF	MEASI	IIDE	Maximum Daily Amou	nt 10 000	No. Days on-site	265
AMOUNT & TIME						•	Largest container	
AT FACILITY	☐ gais.	" אָל	<i>.</i> s. U	CU. II.	Average Daily Amount	5,000	on-site (Amount):	
	Location #	C:	P:	T:	Location (Also indicate location on	site map)		
*							-	
STORAGE CODES &	246	E	1	4	2-B			٠,
LOCATIONS:								
(use codes provided)								
providedy					·			
MIXTURE: list the three	1. Name	_			2. Name <u>Mangan</u>		3. Name Carbo	•
most hazardous		<del>-tro</del>				-	•	
components (by wt.)	CAS#		9/	MACT	CAS#	% WT	CAS # 1333-8	.% WT.
			<del></del>	0 VV I.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<del></del>		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	1309	3-37	<u>-1. ^</u>	<u> </u>	96 7439-96-	5. <2	1333-8	6-4 <2
	1309	3-37	<del>-1</del> "	> ***	DESCRIPTION	5<2	1333-8	
Common Namo:			-		DESCRIPTION			
Common Name:	Ferro C	arom	e Id	C Tau	DESCRIPTION	CAS#:	7440-4	
Common Name:	Ferro C	arom	e Id	C Tau	DESCRIPTION	CAS#:	7440-4	
Chemical Name:	Ferro Cl Metal A	rom Lloy	e L	C_Lu	DESCRIPTION mp	_ CAS #: _ DOT #: _ UN/NA #:	7440-4 N/	
Chemical Name:	Ferro Cl Metal A	rom Lloy	e Lo	C_Lu	DESCRIPTION  mp  ire	CAS #: DOT #: UN/NA #: If Wast	7440-4 N/ e is checked,	7-3 'A
Chemical Name:	Ferro Cl Metal A	rom Lloy	e Lo	C_Lu	DESCRIPTION mp	CAS #: DOT #: UN/NA #: If Wast	7440-4 N/	7-3 'A
Chemical Name:	Ferro Cl Metal A Solid O Liqu Radioactive	nrom Lloy uid O	Gas	C_Lu □ Pu	DESCRIPTION  mp  ire	CAS #: DOT #: UN/NA #: If Wast Annual	7440-4 N/ e is checked,	27-3 'A
Chemical Name:	Ferro Cl Metal A Solid O Liqu Radioactive	nrom Lloy uid [] (if radio	Gas	C_Lu □ Pu e	DESCRIPTION  Imp  Ire	CAS #: DOT #: UN/NA #:_ If Wast Annual	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD	27-3 'A CLASS *
Chemical Name:  ☐ Trade Secret  WASTE	Ferro Cl Metal A Solid O Liqu Radioactive	nrom Lloy uid O	Gas	C_Lu □ Pu e	DESCRIPTION  mp  ire	CAS #: DOT #: UN/NA #:_ If Wast Annual	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF	27-3 'A CLASS *
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Chemical Name:  ☐ Trade Secret  WASTE	Ferro Cl Metal A Solid O Liqu Radioactive	nrom Lloy uid (il radio	Gas	C I III Pue nitable Extre	DESCRIPTION  mp  re	CAS #: DOT #: UN/NA #: If Wast Annual Class 2	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD D Description OF HEALTH Health	CLASS C
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH	Ferro Cl Metal A Solid O Liqu Radioactive	nrom Lloy uid (il radio	Gas	C I III Pue nitable Extre	DESCRIPTION  Imp  Ire	CAS #: DOT #: UN/NA #: If Wast Annual	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD D Description OF HEALTH Health	Z7-3 ZA
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES	Ferro Cl Metal A Solid D Liqu Radioactive D Too D Re	nrom Lloy uid [] (if radio	Gasoctive	C_Lu Puee- nitable Extre PHYS	DESCRIPTION  mp  re	CAS #: DOT #: UN/NA #: If Wast Annual  Class2  Immediate (Ac	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME	Ferro Cl Metal A Solid O Liqu Radioactive Ref	nrom Lloy uid [] (if radio	Gasoactive	C_Lu Pue	DESCRIPTION  Imp  Ire	CAS #: DOT #: If Wast Annual Class2 Immediate (Ac	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site Largest container	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES	Ferro Cl Metal A Solid D Liqu Radioactive D Too D Re	nrom Lloy uid [] (if radio	Gasoactive	C_Lu Puee- nitable Extre PHYS	DESCRIPTION  mp  ire	CAS #:	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY	Ferro Cl Metal A Solid O Liqu Radioactive Ref	nrom Lloy uid [] (if radio	Gasoactive	C_Lu Pue	DESCRIPTION  Imp  Ire	CAS #: DOT #: UN/NA #: If Wast Annual Class _2 Immediate	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site Largest container	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY	Ferro Cl Metal A  Solid   Liqu Radioactive   Ref   Fire (  UNITS   gals.	uid (il radio	Gasoctive	C Lu Pue - itable Extre PHYS Su JRE cu. ft.	DESCRIPTION  mp  re	CAS #: DOT #: UN/NA #: If Wast Annual Class _2 Immediate	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site Largest container	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY	Ferro Cl Metal A  Solid   Liqu Radioactive   Ref   Fire (  UNITS   gals.	uid (il radio	Gasoctive	C Lu Pue - itable Extre PHYS Su JRE cu. ft.	DESCRIPTION  mp  re	CAS #: DOT #: UN/NA #: If Wast Annual Class _2 Immediate	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site Largest container	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS:	Ferro Cl Metal A Solid Diqu Radioactive Too Re UNITS G gals.	irom Lloy  id   (if radio  kic eactive	Gasoactive	C Lu Pue initable Extre PHYS Su JRE cu. ft.	DESCRIPTION  mp  re	CAS #: DOT #: UN/NA #: If Wast Annual Class _2 Immediate	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site Largest container	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes	Ferro Cl Metal A Solid Diqu Radioactive Too Re UNITS G gals.	irom Lloy  id   (if radio  kic eactive	Gasoactive	C Lu Pue initable Extre PHYS Su JRE cu. ft.	DESCRIPTION  mp  re	CAS #: DOT #: UN/NA #: If Wast Annual Class _2 Immediate	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site Largest container	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS:	Ferro Cl Metal A Solid Diqu Radioactive Too Re UNITS G gals.	irom Lloy  id   (if radio  kic eactive	Gasoactive	C Lu Pue initable Extre PHYS Su JRE cu. ft.	DESCRIPTION  mp  re	CAS #: DOT #: UN/NA #: If Wast Annual Class _2 Immediate	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site Largest container	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes	Ferro Cl Metal A Solid D Liqu Radioactive Re D Too Re UNITS D gals. Location #	irom Lloy  id   (if radio  kic eactive	Gasoactive	C Lu Pue initable Extre PHYS Su JRE cu. ft.	DESCRIPTION  Imp  Ire	CAS #: DOT #: UN/NA #: If Wast Annual Class _2 Immediate	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site Largest container	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes	Ferro Cl Metal A Solid D Liqu Radioactive Re D Too Re UNITS D gals. Location #	irom Lloy uid     (il radio kic eactive	Gasoactive	C Lu  Peee  itable Extre  PHYS  Su  JRE  cu. ft.	DESCRIPTION  mp  re	CAS #: DOT #: UN/NA #: If Wast Annual Class _2 Immediate	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD Description OF HEALTH Health ute) No. Days on-site Largest container	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes provided)  MIXTURE: list the three most hazardous	Ferro Cl Metal A  Solid O Liqu Radioactive Ref  UNITS O gals. Location #  215	irom Lloy  uid   (il radio cic eactive	Gasoctive MEASUS.  P.	C Lu  Pre-  intable Extre  PHYS  Su  JRE  cu. ft.  4	DESCRIPTION  mp  re	CAS #: DOT #: UN/NA #: If Wast Annual  Class 2: Immediate  (Ac  nt 8,000  3,000  site map)	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD D Description OF HEALTH Health ute) No. Days on-site Largest container on-site (Amount):	CLASS
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes provided)  MIXTURE: list the three	Ferro Cl Metal A. Solid D Liqu Radioactive D Re D Fire ( UNITS D gals. Location #	irom Lloy  uid   (il radio cic eactive	Gasoctive MEASUS.  P.	C Lu  Pre-  intable Extre  PHYS  Su  JRE  cu. ft.  4	DESCRIPTION  mp  re	CAS #: DOT #: UN/NA #: If Wast Annual  Class 2: Immediate  (Ac  nt 8,000  3,000  site map)	7440-4 N/ e is checked, Amount Generated: SENERAL HAZARD D Description OF HEALTH Health ute) No. Days on-site Largest container on-site (Amount):	CLASS

# HAZARDOUS MATERIALS INVENTORY

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REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

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Reporting Period 1/1 to 12/31 19 9c

### III. HAZARDOUS MATERIAL DESCRIPTIONS

III. HAZAHE					DESCRIPTION			
	<b></b>	_ 04				010 #-	98-00	0-0
Common Name:	Chem-Re	Z 24	4	n De	esin	CAS #:	98-00 N	/A
Chemical Name:	MIXCUIE	<u> </u>	ura	11 1/6	35111	UN/NA #:		
_	ISolid □ Liau	ıid 🗆	Gas	CI Pi	re Mixture  Waste	If Wast	e is checked,	
☐ Trade Secret ☐	1 Badioactive (	if radio	active	 }-	re Mixture	Annual	Amount Generated:	·
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
WASTE	☐ Tox	cic (	O Ign	itable	☐ Corrosive	G	ENERAL HAZARD	CLASS *
CLASSIFICATION	☐ Re	active		Extre	mely Hazardous	Class 2	O Description O	RM
				DI 11/0	10 A 1		HEALTH	
PHYSICAL & HEALTH	-			PHYS	ICAL	Immediate	Health	Delayed Health
HAZARD CATEGORIES	C) Fire (	⊐ Rea	ctive	O St	idden Pressure Release	☐ (Ac	ute)	(Chronic)
	LIMITS	S OF M	EASI	IRE	Maximum Daily Amou	int a soo	No. Days on-site	365
AMOUNT, & TIME	☐ gals.					700	Largest container	500
AT FACILITY	gais.	<i>A</i> .~	J				on-site (Amount):	<u> </u>
*	Location #	C:	P:	T:	Location (Also indicate location o	n site map)	<del></del>	
STORAGE	120	E	- 1	<del>  4</del> -	1-F & Y-B			<del></del>
CODES &		ļ. <u> </u>		<del></del>				
LOCATIONS: (Use codes		<del> </del>		<del> </del>				-
provided)		<del> </del>						
		1						
MIXTURE: list the three	1 Name				Aledro Name - Phe	no1	3. Name Forma	ldehvde
most hazardous	L .			_	4			
components (by wt.)	CAS#		%	WT	CAS#	_ % WT	CAS # 50-0	<u>~ % W I </u>
	<u> </u>	=00=	<del>- ()</del>	*****	<del>&gt;60-<sup>1-000</sup>"-108-95-</del>	<del>Z</del>	50-0	0-0
	98	-00-	-0		CAS # 108-95-	2. 3	50-0	
	•				DESCRIPTION			
Common Name:	Chem-Re	z Ca	ntal	vst.	DESCRIPTION			
Common Name: Chemical Name:	Chem-Re	z Ca	ntal	vst.	DESCRIPTION	_ CAS #: DOT #:	98-11 N	
	Chem-Re Mixture	z_Ca	atal Sulf	yst oni	DESCRIPTION C Acid	CAS #: _ DOT #: _ UN/NA #:	98-11 N	
	Chem-Re Mixture	z_Ca	atal Sulf	yst oni	DESCRIPTION C Acid	CAS #: _ DOT #: _ UN/NA #:	98-11 Nate is checked,	-3 /A
	Chem-Re Mixture	z_Ca	atal Sulf	yst oni	DESCRIPTION  C_Acid  Ire Mixture (1) Waste	CAS #: _ DOT #: _ UN/NA #: If Wast Annual	98-11 N te is checked, Amount Generated	-3 /A
☐ Trade Secret C	Chem-Re Mixture Solid OLiqu Radioactive (	z Ca - S uid D (if radio	tal Sulf Gas	yst oni ope	DESCRIPTION  C_Acid  ure X Mixture	CAS #: _ DOT #: _ UN/NA #: If Wast Annual	98-11 Nate is checked,	-3 /A
	Chem-Re Mixture  Solid D Liqu Radioactive (	z Ca	tal Sulf Gas pactive	yst. Coni	DESCRIPTION C Acid	CAS #: DOT #: UN/NA #: If Wast Annual	98–11 N te is checked, Amount Generated SENERAL HAZARD	-3 /A :
☐ Trade Secret C	Chem-Re Mixture  Solid D Liqu Radioactive (	z Ca	tal Sulf Gas pactive	yst. Oni OPo	DESCRIPTION  C_Acid  ure X Mixture	CAS #: DOT #: UN/NA #: If Wast Annual	98-11 N te is checked, I Amount Generated SENERAL HAZARD	-3 /A :
☐ Trade Secret C	Chem-Re Mixture  Solid D Liqu Radioactive (	z Ca	tal Sulf Gas pactive	yst. Coni	DESCRIPTION  C_Acid  ure X Mixture	CAS #: DOT #: UN/NA #: If Wast Annual	98-11 Nate is checked, I Amount Generated GENERAL HAZARD Description HEALTH	-3 /A : CLASS * Corrosive_ Delayed Health
☐ Trade Secret C  WASTE CLASSIFICATION	Chem-Re Mixture  Solid D Liqu Radioactive (	Z Ca - S uid D (if radio	Gas pactive	yst Oni Proprintable Extre	DESCRIPTION  C_Acid  Ire X Mixture	CAS #: DOT #: If Wast Annual Class	98-11 Nate is checked, I Amount Generated GENERAL HAZARD Description HEALTH Health	-3 /A : CLASS '
Trade Secret C  WASTE CLASSIFICATION  PHYSICAL & HEALTH	Chem-Re Mixture Solid Diqu Radioactive (	az Ca - Suid □ (if radio kic seactive	tal Sulf Gas pactive	yst. Oni Property	DESCRIPTION  C_Acid  Ire X Mixture (1) Waste curries)  (1) Corrosive mely Hazardous  SICAL  Idden Pressure Release	CAS #: DOT #: UN/NA #: If Wast Annual  Class Immediate	98-11 Nate is checked, Amount Generated BENERAL HAZARD Description HEALTH Health Lute) No. Days on-site	CLASS Corrosive  Delayed Health  (Chronic)
Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME	Chem-Re Mixture Solid Diqu Radioactive (	uid D (if radio	Gas pactive	yst. Oni. Properties of the control	DESCRIPTION  C_Acid  Ire X Mixture () Waste curries)  () Corrosive mely Hazardous  SICAL idden Pressure Release  Maximum Daily Amore	CAS #:	98-11 Note is checked, Amount Generated SENERAL HAZARD Description HEALTH Health Lute) No. Days on-site Largest container	CLASS Corrosive Delayed Health (Chronic)
WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES	Chem-Re Mixture Solid Diqu Radioactive (	uid D (if radio	Gas pactive	yst. Oni. Properties of the control	DESCRIPTION  C_Acid  Ire	CAS #: DOT #: If Wast Annual Class Immediate : (Actual	98-11 Nate is checked, Amount Generated BENERAL HAZARD Description HEALTH Health Lute) No. Days on-site	CLASS Corrosive Delayed Health (Chronic)
WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY	Chem-Re Mixture Solid Diqu Radioactive (	uid D (if radio	Gas pactive	yst. Oni. Properties of the control	DESCRIPTION  C_Acid  Ire X Mixture () Waste curries)  () Corrosive mely Hazardous  SICAL idden Pressure Release  Maximum Daily Amore	CAS #: DOT #: If Wast Annual Class Immediate : (Actual	98-11 Note is checked, Amount Generated SENERAL HAZARD Description HEALTH Health Lute) No. Days on-site Largest container	CLASS Corrosive Delayed Health (Chronic)
WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY	Chem-Re Mixture  Solid   Liqu Radioactive (   Tox   Re  UNITS   gals.	uid	Gas pactive	yst. Oni Pu itable Extre PHYS DRE cy. ft.	DESCRIPTION  C_Acid  Ire X Mixture	CAS #: DOT #: If Wast Annual Class Immediate : (Actual	98-11 Note is checked, Amount Generated SENERAL HAZARD Description HEALTH Health Lute) No. Days on-site Largest container	CLASS Corrosive Delayed Health (Chronic)
WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES &	Chem-Re Mixture Solid Diqu Radioactive (	uid D (if radio	Gas pactive	yst. Oni Properties Extre PHYS St. URE c.j. ft.	DESCRIPTION  C_Acid  Ire	CAS #: DOT #: If Wast Annual Class Immediate : (Actual	98-11 Note is checked, Amount Generated SENERAL HAZARD Description HEALTH Health Lute) No. Days on-site Largest container	CLASS Corrosive Delayed Health (Chronic)
WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  * STORAGE CODES & LOCATIONS:	Chem-Re Mixture  Solid   Liqu Radioactive (   Tox   Re  UNITS   gals.	uid	Gas pactive	yst. Oni Pu itable Extre PHYS DRE cy. ft.	DESCRIPTION  C_Acid  Ire X Mixture	CAS #: DOT #: If Wast Annual Class Immediate : (Actual	98-11 Note is checked, Amount Generated SENERAL HAZARD Description HEALTH Health Lute) No. Days on-site Largest container	CLASS Corrosive Delayed Health (Chronic)
WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES &	Chem-Re Mixture  Solid   Liqu Radioactive (   Tox   Re  UNITS   gals.	uid	Gas pactive	yst. Oni Pu itable Extre PHYS DRE cy. ft.	DESCRIPTION  C_Acid  Ire X Mixture	CAS #: DOT #: If Wast Annual Class Immediate : (Actual	98-11 Note is checked, Amount Generated SENERAL HAZARD Description HEALTH Health Lute) No. Days on-site Largest container	CLASS Corrosive Delayed Health (Chronic)
WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes	Chem-Re Mixture  Solid   Liqu Radioactive (   Tox   Re  UNITS   gals.	uid	Gas pactive	yst. Oni Pu itable Extre PHYS DRE cy. ft.	DESCRIPTION  C_Acid  Ire X Mixture	CAS #: DOT #: If Wast Annual Class Immediate : (Actual	98-11 Note is checked, Amount Generated SENERAL HAZARD Description HEALTH Health Lute) No. Days on-site Largest container	CLASS Corrosive Delayed Health (Chronic)
WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes provided)	Chem-Re Mixture Solid D Liqu Radioactive (	id D (if radio kic eactive	Gas pactive  IEASU  IEA	yst. Oni Property of the second of the secon	DESCRIPTION  C_Acid  Ire X Mixture	CAS #: DOT #: If Wast Annual Class Immediate	98-11 Note is checked, Amount Generated SENERAL HAZARD Description HEALTH Health Sute) No. Days on-site Largest container On-site (Amount):	CLASS Corrosive Delayed Health (Chronic)
WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes provided)  MIXTURE: Ilst the three most hazardous	Chem-Re Mixture Solid Diqu Radioactive (	uid	Gas pactive  IEASU  IEA	yst. Oni Property of the second of the secon	DESCRIPTION  C_Acid  Ire X Mixture	CAS #: DOT #: UN/NA #: If Wast Annual  Class Immediate	98-11 Nate is checked, I Amount Generated GENERAL HAZARD Description HEALTH Health Largest container On-site (Amount):	CLASS Corrosive Delayed Health (Chronic) 365 500
WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  *  STORAGE CODES & LOCATIONS: (use codes provided)  MIXTURE: list the three	Chem-Re Mixture Solid D Liqu Radioactive (	id D (if radio kic eactive	Gas pactive  IEASUS. J	yst. Oni Property of the second of the secon	DESCRIPTION  C_Acid  Tre X Mixture () Waste curries)  Corrosive mely Hazardous  SICAL  Idden Pressure Release  Maximum Daily Amount Average Daily Amount Average Daily Amount Location (Also indicate location of the control of the co	CAS #: DOT #: If Wast Annual Class Immediate	98-11 Nate is checked, I Amount Generated GENERAL HAZARD Description HEALTH Health Largest container On-site (Amount):	CLASS Corrosive Delayed Health (Chronic)

nd. AA -0.

Date: 1-16-9/

# CITY OF VERNON

HAZARDOUS MATERIALS INVENTORY

**Reporting Perioc** 

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III. HAZARDOUS MATERIAL DESCRIPTION	12	1	٧	١	ì	١	ľ	١	١	ľ	ľ	١	ľ	ľ	ì	ì	ì	ì	i		ļ	1	)	)			(	ļ			ĺ			)	_	F		ŀ			F		,			(	ì	ò	٤		=		E	)	)					Į		١	^	i	l		ľ			ŀ		:	-	Ŀ		_				١	3	•	/	4	l	į		ŀ	١	Į				•	į				١	١					Į,	ļ	ļ	ļ	J	J		_	_	L	L	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	Ļ	L	L	_	_	_	_	_	_	_	_	_	_				J	J	J	J	J	ļ	J	J
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				· · ·	DESCRIPTION			,
Common Name:	Casting	y Wa:	x			CAS #:	N	/A
Chemical Name:							N N	/A
☐ Trade Secret (	⊐ Solid   □ Liq ⊐ Radioactive	uid [ (if radi	J Gas oactiv	:	re Mixture		e is checked, Amount Generated	: 
WASTE CLASSIFICATION		xic eactive	~		☐ Corrosive mely Hazardous		ENERAL HAZARD  A Description	
PHYSICAL & HEALTH HAZARD CATEGORIES	☐ Fire	_ Rea	active	PHYS	ICAL  dden Pressure Release	Immediate	HEALTH Health	Delayed Health
AMOUNT & TIME AT FACILITY	UNIT	S OF I			Maximum Daily Amou		No. Days on-site Largest container on-site (Amount):	100
*	Location #	C:	P:	T:	Location (Also indicate location o	n site map)		
STORAGE CODES & LOCATIONS: (use codes provided)	198	I.	1	4	1-H & 1-M			
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>			
MIXTURE: list the three most hazardous	1. Name	N/2	<u> </u>		2. Name		3. Name	<del></del> .
components (by wt.)	CAS #		%	WT.	CAS#	% WT.	CAS #	% WT.
	•	·			DESCRIPTION			
Common Name:	Duroc						7778-18	
Chemical Name:	<u> Calcium</u>	⊢Su.	lfat	e H	omi — — —	DOT #: UN/NA #:	<i>YY</i>	<del>/^</del>
☐ Trade Secret C	D Solid □ Liqu □ Radioactive	uid C (if radio	Gas	_	re Mixture	If Waste	is checked, Amount Generated	
WASTE CLASSIFICATION	☐ To:	xic eactive	_	nitable Extre	Corrosive nely Hazardous		ENERAL HAZARD  Description	
PHYSICAL & HEALTH HAZARD CATEGORIES	G Fire	m Ros	octivo	PHYS	CAL Iden Pressure Release	Immediate ☐ (Acu		Delayed Health
AMOUNT & TIME AT FACILITY	ļ	S OF N	MEASI	JRE	Maximum Daily Amou	unt200	No. Days on-site Largest container on-site (Amount):	365
	Location #	T C:	Р.	T:	Location (Also indicate location or	163	UII-Site (Amount).	
* STORAGE CODES & LOCATIONS:	140	L	1	4	1-Н			
(use codes provided)								
	ļ	نــــــــــــــــــــــــــــــــــــــ			te 2 Name Sil	:		
MIXTURE: list the three most hazardous components (by WL)	1. Name <u>Ca</u>						3. Name	0/ NA/T
	1. Name <u>Ca</u> CAS # 777							% WT.

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REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

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III HAZARDOUS MATERIAL DESCRIPTIONS

	JOO IIIAI M			SCRIPTIONS	
	**\			DESCRIPTION	71-55-6
Common Name:	cetone-				CAS #: 676411
Chemical Name: III -T	richloroe	than	e II	utibited	DOT #:
Official Mainer Figure					UN/NA #:
H	Solid Milianid		Sac FIP	ure   Mixture   Waste	If Waste is checked,
☐ Trade Secret	Dodiosaire (it.)	radioac	Mina	curries)	Annual Amount Generated:
	Hadioactive (ii i	rauloac	CEIA6	Curies)	Alliba Allibatit Cellerates.
					GENERAL HAZARD CLASS *
WASTE	☐ Toxic		Ignitable		GENERAL HAZAHD ODAGO
CLASSIFICATION	☐ Read	ctive	☐ Extre	emely Hazardous	Class 9 Description Flammable
PHYSICAL & HEALTH			PHY	SICAL	HEALTH Immediate Health Delayed Health
HAZARD CATEGORIES		<b>.</b>	0	untitus Burnanna Dalagaa	(Chronic)
	D File D	Heacu	IAB D 2	udden Pressure Release	<u> </u>
	UNITS	OF ME	ASURE	Maximum Daily Amou	unt 65 No. Days on-site 365
AMOUNT & TIME AT FACILITY	💥 gals. (				Largest container 55
AI FACILITY	A Salo.	<u> </u>	_ <b></b>	Average Daily Amour	on-site (Amount):
	Location #	C:	P: T:	Location (Also indicate location o	n site map)
*		E	1 4	SW corner of o	pen yard
STORAGE CODES &					# - 2
LOCATIONS:	· .				K - 1
(use codes					L 2
provided)					
				2220 0 11	3. Name
MIXTURE: list the three most hazardous				nane 2. Name	3. Name
components (by wt.)	CAS # -6764	H-7	e/ W/T	99 CAS#	% WT. CAS # % WT.
	UNO # U703		/O TT 1.	22   OAG#	70 17 1:
Common Name:	Muriatic A			DESCRIPTION	CAS#: 7647010
Common Name: 1	Muriatic A	cid		DESCRIPTION	CAS #:
Chemical Name:	Aydrogen C	cid hlor	ride	DESCRIPTION	DOT #:
Chemical Name:	Aydrogen C	cid hlor	ride	DESCRIPTION	DOT #:
Chemical Name:	Aydrogen C	cid hlor	ride	DESCRIPTION	DOT #:
Chemical Name:	Aydrogen C	cid hlor	ride	DESCRIPTION	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:
Chemical Name:	Hydrogen C I Solid A Liquid I Radioactive (if	Acid hlor l D G	ride Gas OP	DESCRIPTION  Pure	DOT #:
Chemical Name:	Hydrogen C Solid ALiquid Radioactive (if	Acid Chlor I D G	ride Gas OP ctive	DESCRIPTION  Fure	DOT #: UN/NA #: If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *
Chemical Name:	Hydrogen C Solid ALiquid Radioactive (if	Acid Chlor I D G	ride Gas OP ctive	DESCRIPTION  Pure	DOT #: UN/NA #: If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS * Class 3 Description Corrosive
Chemical Name:  Trade Secret  WASTE CLASSIFICATION	Hydrogen C Solid ALiquid Radioactive (if	Acid Chlor I D G	cide Gas OP ctive lgnitable OExtre	DESCRIPTION  Fure	DOT #: UN/NA #: If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS * Class 3 Description Corrosive HEALTH
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH	Solid ALiquid Radioactive (if	Acid Chlor I D G radioac	ride Gas OP ctive Ignitable OExtr	DESCRIPTION  Pure	DOT #: UN/NA #: If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS * Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health
Chemical Name:  Trade Secret  WASTE CLASSIFICATION	Solid ALiquid Radioactive (if	Acid Chlor I D G radioac	ride Gas OP ctive Ignitable OExtr	DESCRIPTION  Ture	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health C (Acute) Chronic)
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH	Solid ALiquid Radioactive (if	Acid Chlor I D G radioac ctive	ride Gas OP ctive Ignitable OExtr	DESCRIPTION  Pure	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health  (Acute) (Chronic)  unt 40 No. Days on-site 365
Chemical Name:	Solid Liquid Radioactive (if	Acid Chlor I D G radioac ctive  Reacti	ctive -   Ignitable   PHY Ive   S	DESCRIPTION  Fure (1) Mixture (1) Waste curries)  Corrosive emely Hazardous  SICAL  Sudden Pressure Release  Maximum Daily Amore	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health (Acute) Chronic)  unt 40 No. Days on-site 365 Largest container
Chemical Name:	Solid ALiquid Radioactive (if	Acid Chlor I D G radioac ctive  Reacti DF ME	ctive -   Ignitable   PHY Ive   S	DESCRIPTION  Pure	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health G (Acute) G (Chronic)  unt 40 No. Days on-site 365 Largest container
Chemical Name:	Solid (Liquid Radioactive (if Toxic Read Fire U	Acid Chlor I D G radioac ctive  Reacti DF MEA	ctive -   Ignitable   PHY Ive   S	DESCRIPTION  Fure (1) Mixture (1) Waste curries)  Corrosive emely Hazardous  SICAL  Sudden Pressure Release  Maximum Daily Amore	DOT #: UN/NA #: If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS * Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health (Chronic)  Unt 40 No. Days on-site 365 Largest container on-site (Amount): 35
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME	Solid X Liquid Radioactive (if Read	Acid Chlor Chlor Cradioac Ctive Reacti DF ME D lbs. C:	Gas OP ctive -	DESCRIPTION  Pure   Mixture   Waste curries)    Corrosive emely Hazardous  SICAL   Sudden Pressure Release   Maximum Daily Amount     Average Daily Amount     Location (Also indicate location of	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health (Chronic)  Unt 40 No. Days on-site 365  Largest container on-site (Amount): 35  on site map)
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  * STORAGE	Solid (Liquid Radioactive (if Toxic Read Fire U	Acid Chlor Chlor Cradioac Ctive  Reacti DF ME D lbs.  C:	Gas OP ctive -	DESCRIPTION  Pure Mixture Waste curries)  Corrosive emely Hazardous  SICAL  Sudden Pressure Release  Maximum Daily Amount	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health (Chronic)  Unt 40 No. Days on-site 365  Largest container on-site (Amount): 35  on site map)
Chemical Name:	Solid X Liquid Radioactive (if Read	Acid Chlor Chlor Cradioac Ctive Reacti DF ME D lbs. C:	Gas OP ctive -	DESCRIPTION  Pure   Mixture   Waste curries)    Corrosive emely Hazardous  SICAL   Sudden Pressure Release   Maximum Daily Amount     Average Daily Amount     Location (Also indicate location of	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health (Chronic)  Unt 40 No. Days on-site 365  Largest container on-site (Amount): 35  on site map)
Chemical Name:  Trade Secret  WASTE CLASSIFICATION  PHYSICAL & HEALTH HAZARD CATEGORIES  AMOUNT & TIME AT FACILITY  * STORAGE	Solid X Liquid Radioactive (if Read	Acid Chlor Chlor Cradioac Ctive Reacti DF ME D lbs. C:	Gas OP ctive -	DESCRIPTION  Pure   Mixture   Waste curries)    Corrosive emely Hazardous  SICAL   Sudden Pressure Release   Maximum Daily Amount     Average Daily Amount     Location (Also indicate location of	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health (Chronic)  Unt 40 No. Days on-site 365  Largest container on-site (Amount): 35  on site map)
Chemical Name:	Solid X Liquid Radioactive (if Read	Acid Chlor Chlor Cradioac Ctive Reacti DF ME D lbs. C:	ride Gas OP ctive Ignitable OExtr PHY ive OS ASURE Ocu. f	DESCRIPTION  Pure   Mixture   Waste curries)    Corrosive emely Hazardous  SICAL   Sudden Pressure Release   Maximum Daily Amount     Average Daily Amount     Location (Also indicate location of	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health (Chronic)  Unt 40 No. Days on-site 365  Largest container on-site (Amount): 35  on site map)
Chemical Name:	Solid X Liquid Radioactive (if Read	Acid Chlor Chlor Cradioac Ctive Reacti DF ME D lbs. C:	ride Gas OP ctive Ignitable OExtr PHY ive OS ASURE Ocu. f	DESCRIPTION  Pure   Mixture   Waste curries)    Corrosive emely Hazardous  SICAL   Sudden Pressure Release   Maximum Daily Amount     Average Daily Amount     Location (Also indicate location of	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health (Chronic)  Unt 40 No. Days on-site 365  Largest container on-site (Amount): 35  on site map)
Chemical Name:	Solid A Liquid Radioactive (if Read Fire C UNITS C X gals. (i) Location # Y, A	Acid Chlor Chlor Readioac Ctive Readi DF ME D lbs.	Gas OP ctive - Survey PHY  ive OS  ASURE Ocu. f	DESCRIPTION  Fure   Mixture   Waste curries     Corrosive emely Hazardous  SICAL    Udden Pressure Release     Maximum Daily Amount     Location (Also indicate location of or	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health  (Acute) (Chronic)  unt 40 No. Days on-site 365 Largest container nt 20 on-site (Amount): 35  on site map) Deen yard
Chemical Name:	Solid A Liquid Radioactive (if Read Fire C UNITS C X gals. (i) Location # Y, A	Acid Chlor Chlor Readioac Ctive Readi DF ME D lbs.	Gas OP ctive - Survey PHY  ive OS  ASURE Ocu. f	DESCRIPTION  Pure   Mixture   Waste curries)    Corrosive emely Hazardous  SICAL   Sudden Pressure Release   Maximum Daily Amount     Average Daily Amount     Location (Also indicate location of	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health () (Acute) (Chronic)  unt 40 No. Days on-site 365  Largest container nt 20 on-site (Amount): 35  on site map) Deen yard  3. Name
Chemical Name:	Solid A Liquid Radioactive (if Price Control Read Value Control Read V	Acid Chlor Chlor Cradioac Crad	Gas OP ctive - Survey PHY  ive OS  ASURE Ocu. f	DESCRIPTION  Fure (1) Mixture (1) Waste curries)  Corrosive emely Hazardous  SICAL  Sudden Pressure Release  Maximum Daily Amount  Average Daily Amount  Location (Also indicate location of or	DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:  GENERAL HAZARD CLASS *  Class 3 Description Corrosive  HEALTH Immediate Health Delayed Health  (Acute) (Chronic)  unt 40 No. Days on-site 365 Largest container nt 20 on-site (Amount): 35  on site map) Deen yard

Date:\_

HAZARDOUS MATERIALS INVENTORY

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REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

	DESCRIPTION	•		
Common Name:	501 Investment	CAS #:		
OO;((())O()   1401/20;	Silicon Sioxide	DOT #:		
	· · · · · · · · · · · · · · · · · · ·	UN/NA #:		
☐ Trade Secret ☐	D Solid □ Liquid □ Gas □ Pure ★ Mixture □ Waste □ Radioactive (if radioactivecurries)	If Waste is checked, Annual Amount Generated:		
<u> </u>		OFNEDAL MAZADD CLASS *		
WASTE CLASSIFICATION	☐ Toxic ☐ Ignitable ☐ Corrosive	GENERAL HAZARD CLASS *		
OLAGON IOATION	☐ Reactive ☐ Extremely Hazardous	Class 20 Description ORM		
PHYSICAL & HEALTH	PHYSICAL	HEALTH Immediate Health Delayed Health		
HAZARD CATEGORIES	☐ Fire ☐ Reactive ☐ Sudden Pressure Release	(Acute) (Chronic)		
	UNITS OF MEASURE Maximum Daily Amount			
AMOUNT & TIME AT FACILITY	gals. Miss. Cu. ft. Average Daily Amount	Largest container 50		
	7 Totago Bany Fintenna			
*	Location # C: P: T: Location (Also indicate location on s #1, A K 1 4 North wall of B	ldg. #1		
STORAGE CODES &				
LOCATIONS: (use codes				
provided)				
MIXTURE: list the three	1. Name Silica 2. Name Calcium	Sulfate 3. Name		
most hazardous components (by wt.)	•	% WT. 40 CAS # % WT.		
	CAS # 7631869 % WT. 60 CAS # 778189	% W1. 40 [CAS# % W1. ]		
	DESCRIPTION			
Common Name:	903 Investment	CAS #:		
	Silicon Sioxide	DOT #:		
_	TOTAL CALLED CO. C. C. C. C. C. M. Minton. C. Mosto	UN/NA #: If Waste is checked,		
☐ Trade Secret	☐ Solid ☐ Liquid ☐ Gas ☐ Pure   Mixture ☐ Waste ☐ Radioactive (if radioactive curries)	Annual Amount Generated:		
<u> </u>				
WASTE	☐ Toxic ☐ Ignitable ☐ Corrosive	GENERAL HAZARD CLASS *		
CLASSIFICATION	☐ Reactive ☐ Extremely Hazardous	Class 20 Description ORM		
DUVIDAL & MEALTH	PHYSICAL	HEALTH Deleved Health		
PHYSICAL & HEALTH HAZARD CATEGORIES	☐ Fire ☐ Reactive ☐ Sudden Pressure Release	Immediate Health Delayed Health  ☐ (Acute) ☐ (Chronic)		
AMOUNT & TIME	UNITS OF MEASURE Maximum Daily Amount  gals.	Largest container		
AT FACILITY		300 on-site (Amount): 70		
*	Location # C: P: T: Location (Also indicate location on s  \$\frac{1}{4}\text{1, A} \text{ K} \text{ 1 4 North wall of}	ite map)		
STORAGE	FI, A R I 4 NOICH WILL OF	Dates : 11		
CODES & LOCATIONS:				
(use codes provided)				
μιο <u></u>				
		Culfata 2 Nova		
MIXTURE: list the three most hazardous	1. Name Silica 2. Name Calcium	Sulfate 3. Name		
components (by wt.)	CAS # 7631869 % WT. 60 CAS # 778189	% WT. 40 CAS # % WT.		
		Date: 12-16-91		

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**Reporting Period** 1/1 to 12/31 19 90

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REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

III. HAZARDO	OUS MATERIAL DESCRIPTIONS	· · · · · · · · · · · · · · · · · · ·
	DESCRIPTION	
Collinion Name.	Fused Silica Silicon Dioxide	CAS #: 7631869  DOT #: UN/NA #:
	Solid □ Liquid □ Gas □ Pure ः Mixture □ Waste □ Radioactive (if radioactive curries)	If Waste is checked, Annual Amount Generated:
WASTE CLASSIFICATION	☐ Toxic ☐ Ignitable ☐ Corrosive☐ Reactive ☐ Extremely Hazardous	GENERAL HAZARD CLASS *  Class 20 Description ORM
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL.  ☐ Fire ☐ Reactive ☐ Sudden Pressure Release	HEALTH Immediate Health Delayed Health  (Acute) (Chronic)
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE Maximum Daily Amo	nt 2000 Largest container 70 on-site (Amount): 70
STORAGE CODES & LOCATIONS: (use codes provided)	Location # C: P: T: Location (Also indicate location #1, H K 1 4 North end of	on site map) Bldg. #1
MIXTURE: list the three most hazardous components (by wt.)	1. Name Silica 2. Name CAS # 7631869 % WT. 99 CAS #	3. Name
Chemical Name: S	DESCRIPTION  Resin Coated Sand  Silica Sand with Phenolic Resin  Solid Diquid Description Gas Description Description  Radioactive (if radioactive	CAS #: 7631869  DOT #: UN/NA #:  If Waste is checked, Annual Amount Generated:
WASTE CLASSIFICATION	☐ Toxic ☐ Ignitable ☐ Corrosive ☐ Reactive ☐ Extremely Hazardous	GENERAL HAZARD CLASS *  Class 20 Description ORM
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL  ☐ Fire ☐ Reactive ☐ Sudden Pressure Release	HEALTH Immediate Health  Delayed Health  (Acute)
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE Maximum Daily Amo	int 2000 Largest container on-site (Amount): 100
STORAGE CODES & LOCATIONS: (use codes provided)	Location # C: P: T: Location (Also indicate location #1, D K 1 4 Center section	
MIXTURE: list the three	1 Name Phenol 2. Name Sili	ica 3. Name

CAS#

% WT.

% WT.

MIXTURE: list the three

most hazardous

components (by wt.)

1. Name

CAS # 108952

90 CAS #

% WT.

# **CITY OF VERNON**

HAZARDOUS MATERIALS INVENTORY

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REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

**Reporting Period** 

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1/1 to 12/31 19 90

					C	ESCRIPTION				
Common Name,	Simplot S Silica	ilic	a S	and			_ DOT #:	7631869		
☐ Trade Secret	Solid DLique Radioactive (	id 🏻 if radio	Gas pactive	□ Pı	ire 🗆	Mixture D Waste curries)		s is checked, Amount Generated	l:	
WASTE CLASSIFICATION	☐ Tox		G Ign			Corrosive Hazardous	GENERAL HAZARD CLASS *  Class 20 Description ORM			
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL  ☐ Fire ☐ Reactive ☐ Sudden Pressure Release				Pressure Release	immediate		Delayed Health  (Chronic)		
AMOUNT & TIME AT FACILITY	L	_	MEASURE Maximum Daily Amount 23000 No. Days on-site 365 Largest container on-site (Amount): 3200				•			
<u>``</u>	Location #	C:		T:		ation (Also indicate location on			· ·	
STORAGE	#1, D	K	1	4	Ce	enter section	of Bldg	<u> </u>	<del></del>	
CODES &										
LOCATIONS: (use codes	· · · · · · · · · · · · · · · · · · ·				ļ					
provided)	<del> </del>	_					<u> </u>	·		
	<u> </u>						,			
MIXTURE: list the three most hazardous	1. Name_S	ilic	a			2. Name		3. Name		
components (by wt.)	CAS # 76	CAS# 7631869 % WT. 99 CAS#			% WT.	CAS#	% WT.			
	OAO #			¥ 9 1.		TOAO#	76 111.	OAO #	70 1111	
					D	ESCRIPTION				
•		<b>.</b> .				•		•		
	Pep Set (					-			· -	
Chemical Name:I	Polymeric	_kes	<u>sın</u>	Wit	n Sc	Staeura	DOT #:			
☐ Trade Secret ☐	J Solid Elliqu J Radioactive (i	id 🗇 if radio	Gas active	© Pu	ite X	Mixture □ Waste curries)	If Waste	is checked, Amount Generated	l:	
WASTE CLASSIFICATION	☐ Tox		□ Igni			Corrosive Hazardous	_	ENERAL HAZARD		
	Une	active		LAUG	inciy i	TAZEITOOUS	Class 9			
PHYSICAL & HEALTH HAZARD CATEGORIES	<b>9</b> 5 6			PHYS		Pressure Release	Immediate (Acu		Delayed Health	
	D Fire C	) Hea	CTIVE	D 20	auen			<del></del>		
AMOUNT & TIME	UNITS	OF M	EASU	RE		Maximum Daily Amour	nt 125	No. Days on-site	365	
AT FACILITY	🛘 gais.	□ lbs				Average Daily Amount		Largest container on-site (Amount):		
*	Location #	:	<u>P:</u>	<u>T:</u>		ation (Also indicate location on				
STORAGE	#1, F	E	1	4	<u>Ce</u>	entral section	or Brad	11		
CODES &								· · · · · · · · · · · · · · · · · · ·		
LOCATIONS:						· · · · · · · · · · · · · · · · · · ·				
provided)				-						
<del> </del>			1	!			· · · · · · · · · · · · · · · · · · ·			
MIXTURE: list the three	1. Name <u>Fo</u>	<u>cmal</u>	dhy	<u>de</u>		2. Name <u>Prtrole</u>	um Disti	L3. 4/6:05		
most hazardous components (by wt.)		200		14.17	<del></del> -	CAS# 64742956	WT 20	CAS#	% WT.	
	CAS # 500	000	%	WT.	<u> </u>	CAS# 64742956	7% WI. 3UI	UMO #	/O YY I.	

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REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

Reporting Period
1/1 to 12/31 19 90

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-			DESCRIPTION				
Common Name:Z	ip Slip			CAS #:			
Chemical Name:M				DOT #:			
Ollemoar Name	<u> </u>		•	UN/NA #:			
_	onta sentinata e	. O G D	M Mintura Clifforta	If Waste is checked,			
☐ Trade Secret _	Solia philiquia L	Gas D Pure	e X Mixture □ Waste curries)				
D Hade Secret	Radioactive (if radio	pactive	curries)	Annual Amount Generated:			
	_ ·	· · · · · · · · · · · · · · · · · · ·					
WASTE	☐ Toxic	<ul><li>Ignitable</li></ul>	☐ Corrosive	GENERAL HAZARD CLASS *			
CLASSIFICATION	☐ Reactive	Extrem	ieły Hazardous	Class 9 Description Flammable			
	,	PHYSK	CAL	HEALTH D. L			
PHYSICAL & HEALTH HAZARD CATEGORIES				Immediate Health Delayed Health			
HAZARD CATEGORIES	☐ Fire ☐ Rea	lctive 🗇 Sud	lden Pressure Release	☐ (Acute) ☐ (Chronic)			
	HMITE OF A	AEACUDE	Maximum Daily Amou	nt 20 No. Days on-site <u>365</u>			
AMOUNT & TIME	UNITS OF N		Maximum Daily Amou	I grant container			
AT FACILITY	gais. 🗗 ib	s. 🗆 cu. ft.	Average Daily Amount	8 cargest Container 5			
	1	<u> </u>	Location (Also Indicate location on				
*		P: T: 1 4		of Bldg #1			
STORAGE	#1, G H	<del>                                     </del>	Central Section	OL DIUG TI			
CODES &							
LOCATIONS:							
(use codes provided)							
<b>,</b>							
MIXTURE: list the three	1. Name_Silic	on	2. Name Heptane	3. Name Aluminum			
most hazardous	1. 1101110		Z. Namo				
components (by wt.)	CAS # 6314862	7W % WT	5 CAS# 142825	% WT. 80 CAS # 7429905 % WT. 10			
	ONO# 051-1002	, J , , , , , , , , , , , , , , , , , ,	3 10.10 % 2 20002				
	_		DESCRIPTION				
				*			
Common Name: Z	ip Stik						
Chemical Name: C	ore Paste			DOT#:			
				UN/NA #:			
	JSolid BALiquid □	Gas DPur	e Mixture 🗆 Waste curries)	If Waste is checked,			
☐ Trade Secret	I Radioactive (if radio	active -	/) curries)	Annual Amount Generated:			
	Tradioadiro (il radio						
	☐ Toxic	☐ Ignitable	☐ Corrosive	GENERAL HAZARD CLASS '			
WASTE CLASSIFICATION	☐ Reactive	•	nely Hazardous	o O Desider Planmable			
CLASSIFICATION	□ Heactive	D Extrem	lely Hazaldous	Class 9 Description Flammable			
<del></del>		PHYSIC	CAL	HEALTH			
PHYSICAL & HEALTH							
	·	111101	J	Immediate Health Delayed Health			
HAZARD CATEGORIES	☐ Fire ☐ Res						
HAZARD CATEGORIES		active D Sud	den Pressure Release	Immediate Health  (Chronic)  (Chronic)			
	UNITS OF N	active D Sud		Immediate Health  ☐ (Acute)  ☐ (Chronic)  One in the image of the imag			
AMOUNT & TIME	UNITS OF N	active D Sud	den Pressure Release Maximum Daily Amou	Immediate Health  ☐ (Acute)  ☐ (Chronic)  O No, Days on-site  C Largest container  Delayed Health ☐ (Chronic)  365			
AMOUNT & TIME	UNITS OF N	active D Sud	Iden Pressure Release Maximum Daily Amou Average Daily Amoun	Immediate Health  (Acute)  Delayed Health (Chronic)  1 20  No. Days on-site  Largest container on-site (Amount):  1 8			
AMOUNT & TIME AT FACILITY	UNITS OF M gals. □ lb Location # C:	active I Sud MEASURE s. I cu. ft.	Iden Pressure Release  Maximum Daily Amou  Average Daily Amoun  Location (Also indicate location on	Immediate Health			
AMOUNT & TIME AT FACILITY	UNITS OF M Of gals. ☐ Ib	Active D Sud MEASURE s. D cu. ft.	Iden Pressure Release Maximum Daily Amou Average Daily Amoun	Immediate Health			
AMOUNT & TIME AT FACILITY  * STORAGE	UNITS OF M gals. □ lb Location # C:	active I Sud MEASURE s. I cu. ft.	Iden Pressure Release  Maximum Daily Amou  Average Daily Amoun  Location (Also indicate location on	Immediate Health			
AMOUNT & TIME AT FACILITY	UNITS OF M gals. □ lb Location # C:	active I Sud MEASURE s. I cu. ft.	Iden Pressure Release  Maximum Daily Amou  Average Daily Amoun  Location (Also indicate location on	Immediate Health			
AMOUNT & TIME AT FACILITY  * STORAGE CODES & LOCATIONS: (use codes	UNITS OF M gals. □ lb Location # C:	active I Sud MEASURE s. I cu. ft.	Iden Pressure Release  Maximum Daily Amou  Average Daily Amoun  Location (Also indicate location on	Immediate Health			
AMOUNT & TIME AT FACILITY   * STORAGE CODES & LOCATIONS:	UNITS OF M gals. □ lb Location # C:	active I Sud MEASURE s. I cu. ft.	Iden Pressure Release  Maximum Daily Amou  Average Daily Amoun  Location (Also indicate location on	Immediate Health			
AMOUNT & TIME AT FACILITY  * STORAGE CODES & LOCATIONS: (use codes	UNITS OF M gals. □ lb Location # C:	active I Sud MEASURE s. I cu. ft.	Iden Pressure Release  Maximum Daily Amou  Average Daily Amoun  Location (Also indicate location on	Immediate Health			
AMOUNT & TIME AT FACILITY  * STORAGE CODES & LOCATIONS: (use codes	UNITS OF M gals. □ lb Location # C: #1, G H	Active   Sud	Maximum Daily Amou Average Daily Amoun  Location (Also indicate location on Central section	Immediate Health			
AMOUNT & TIME AT FACILITY  * STORAGE CODES & LOCATIONS: (use codes provided)  MIXTURE: list the three	UNITS OF M gals. □ lb Location # C: #1, G H	Active   Sud	Iden Pressure Release  Maximum Daily Amou  Average Daily Amoun  Location (Also indicate location on	Immediate Health			
AMOUNT & TIME AT FACILITY  * STORAGE CODES & LOCATIONS: (use codes provided)  MIXTURE: list the three most hazardous	UNITS OF Notes and particular par	Active   Sud	Maximum Daily Amou Average Daily Amoun Location (Also indicate location on Central section	Immediate Health			
AMOUNT & TIME AT FACILITY  * STORAGE CODES & LOCATIONS: (use codes provided)  MIXTURE: list the three	UNITS OF Notes and particular par	Active   Sud	Maximum Daily Amou Average Daily Amoun  Location (Also indicate location on Central section	Immediate Health			

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Reporting Period 1/1 to 12/31 1990

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### REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

	DESCRIPTION	
Common Name: M	Molybdenum CAS#: 7439987	
	Ferro-Molybdenum DOT#:	
	UN/NA #:	
☐ Trade Secret	☐ Solid ☐ Liquid ☐ Gas ☐ Pure Mixture ☐ Waste If Waste is checked, ☐ Radioactive (if radioactivecurries) Annual Amount Generated:	
	D hadioactive (ii fadioactive	
WASTE	☐ Toxic ☐ Ignitable ☐ Corrosive ☐ GENERAL HAZARD CLASS *	
CLASSIFICATION	☐ Reactive ☐ Extremely Hazardous Class 20 Description ORM	
	PHYSICAL HEALTH	
PHYSICAL & HEALTH HAZARD CATEGORIES	Immediate Health Delayed He	
	☐ Fire ☐ Reactive ☐ Sudden Pressure Release ☐ (Acute) ☐ (Chroni	IC)
AMOUNT & TIME	ONTIS OF MEASURE MAXIMUM Daily Allibum.	
AT FACILITY	gals.   lbs.   cu. ft. Average Daily Amount	
*	Location # C: P: T: Location (Also indicate location on site map)	
STORAGE	#2, B L 1 4 North wall of Bldg #2	
CODES & LOCATIONS:		· ·
(use code <del>s</del> provided)		
<b>,</b>		
4445714D5, 41-44b, 41-44b	Molyhdonym Law Tron Law Silicon	
MIXTURE: ilst the three most hazardous	1. Name Molybdenum 2. Name Iron 3. Name Silicon	
components (by wt.)	CAS # 7439987 % WT. 55 CAS # 1309371 % WT. 32 CAS # 7440213 % WT.	
	DESCRIPTION	
**		
Commission radius.	Nickel CAS #: 7440020 DOT #:	
Olleniicai Ivaille.	UN/NA #:	
	□ Solid □ Liquid □ Gas □ Pure ☑ Mixture □ Waste If Waste is checked,	
n tisse secter	C Radioactive (if radioactive curries) Annual Amount Generated:	
WASTE	☐ Toxic ☐ Ignitable ☐ Corrosive ☐ GENERAL HAZARD CLASS *	
CLASSIFICATION	☐ Reactive ☐ Extremely Hazardous Class 20 Description ORM	
	NEATTI:	
PHYSICAL & HEALTH HAZARD CATEGORIES	Immediate Health Delayed He	
HAZARD CATEGORIES	☐ Fire ☐ Reactive ☐ Sudden Pressure Release ☐ (Acute) ☐ (Chroni	ic)
AMOUNT & TIME	UNITS OF MEASURE Maximum Daily Amount 1200 No. Days on-site 365	
AT FACILITY	gals. Disc. Ci cu. ft. Average Daily Amount 600 Largest container on-site (Amount): 800	
	Location # C: P: T: Location (Also indicate location on site map)	
* STORAGE	#2, B E 1 4 North wall of Bldg #2	
CODES &		_
LOCATIONS: (use codes		
provided)		
MIXTURE; list the three	1. Name Nickel Oxide 3. Name Cobaltous Oxide	ide
most hazardous		
components (by wt.)	CAS # 7440020 % WT. 90 CAS # 1313991 % WT. 3 CAS # 1307966 % WT.	2

### **CVHD 1994**

City of Vernon Health Department, Hazardous Materials Inventory Reports from 1994, to 2009, modern Pattern & Foundry Co., August 1, 1994 to July 8, 2009

City of Vernon Health Department 4305 S. Santa Fe Avenue Vernon, CA 90058 (323) 583-8811



#### SECTION III - HAZARDOUS MATERIAL CERTIFICATION

Complete only one certification:

#### A. CERTIFICATION OF NO CHANGE IN HAZARDOUS MATERIAL INVENTORY

I hereby attest that the following statements regarding hazardous materials for the business listed on this renewal are true:

- \* The information contained in the hazardous materials inventory listed in this renewal, and on file with the City of Vernon Health Department, is complete, accurate, and up to date.
- \* There has been no change in the quantity of hazardous materials reported in the most recently submitted inventory.

the most recently submitted inventory.	
JOHN MECKEL	Vie Prisio
(Printed name of owner or authorized representative)	(Title)
- Free - Control	7/07/2009
(Signature of owner or authorized representative)	
(Signature of owner or authorized representative)	/ /(Date)

B. CERTIFICATION OF CHANGES IN HAZARDOUS M	ATERIAL INVENTORY
I hereby attest under penalty of law that I have personally examichemical inventory information made on this renewal and submit To the best of my knowledge the information being provided is a By:	
(Printed name of owner or authorized representative)	(Title)
(Signature of owner or authorized representative)	(Date)

City of Vernon Health Department 4305 S. Santa Fe Avenue Vernon, CA 90058 (323) 583-8811



JUL 0 8 2009

DEPARTMENT

#### **HAZARDOUS MATERIALS ESTABLISHMENT INFORMATION** (PLEASE RETURN THIS INFORMATION WITH INVOICE AND PAYMENT)

MODERN PATTERN & FOUNDRY CO INC

5610 ALCOA AVE

Facility ID FA0001469

Invoice ID IN0008723

Date 6/30/2009

SECTION I - EMERGENCY CONTACTS AND 24-HOUR TELEPHONE NUMBERS

EM0000406

Primary: Title:

ROLAND B. MECKEL - FX-6 Personal Privacy

**PRESIDENT** 

Secondary: Title:

**JOHN MECKEL** VICE PRESIDENT

FX-6 Personal Privacy

SECTION II - HAZARDOUS MATERIAL INVENTORY

A. Mobile Containers on Site (IF CHEMICAL OR SUBSTANCE HAS BEEN REMOVED FROM INVENTORY, CHECK BOX NEXT TO CHEMICAL)

	·				
REMOVED FROM INVENTORY	COMMON NAME	MAX DAILY AMOUNT	LARGEST CONTAINER	UNIT OF MEASURE	LOCATION
		10000	400	LBS	BLDG.#2 DESIGNATED AS 11
	ARGON	335	335	FT3	BLDG. 1, BAY1,BAY4,1B,2B,3B
	CHEMREZ	2500	550	LBS	BLDG.1 8AY3 & YARD NORTHWEST 2F
	CHEMREZ CATALYST	1000	550	GAL	
	CHEM-REZ CATALYST 2009 Q	1000	550	LBS	G6,7,11
	DUROC	200	100	LBS	DISGNATED 1G
	FUSED SILICA	22000	50	LBS	BLDG.#1 BAY#5 DESIGNATED 1J & 2J
	LOW CARBON IRON	12000	4000	LBS	BLDG. 2
	METAL ALLOY	8000	1400	LB\$	BUILDING #2 DESIGNATED AS 1-H
	MOLYBDENUM	200	200	LBS	NORTHWALL BLDG.2 DESIGNATED AS 1M
	MURIATIC ACID	20	1	GAL	1N YARD BETWEEN BLDG. #1 & #2
	NICKEL	20	20	GAL .	BLDG.#2
	OXYGEN	335	335	FT3	BUILDING#1 BAY1&2
	RESIN COATED SAND	5000	80	LBS	BLDG.1 BAY2 DESIGNATED AS 1R
	SIMPLOT SILICA SAND	23000	6200	LBS	BLDG.1 BAY2&3 DESIGNATED 1S 2S
	STAINLESS STEEL SCRAP	40000	2000	LBS	BLDG.1 BAY3 DESIGNATED AS 1U,2U
	WAX	10000	70	LBS	
	ZIP SLIP	20	5	GAL	BLDG.1 BAY3 DESIGNATED AS 1U,2U
	ZIP STICK	20	5	GAL	BLDG.1 BAY3 DESIGNATED AS IV

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(213) 583-4921 FAX: 213-583-8512



July 7, 1998

KEULIVED

JUL 08 1998

HEALTH & ENVIRONMENTAL CONTROL CITY of VERNON 4305 Santa Fe Avenue Vernon CA 90058

**HEALTH**THENT

Re: Pern

Permit No. 6148, 6-30-98 Renewal

When our check number 4668 dated July 3, 1998 in the amount of \$ 440.50 was mailed, the permit renewal notice and the Materials Inventory Report were omitted. Instead the stubs for our utility bills were mailed with the check in error.

We apologize for this error and any inconvenience it may have caused.

Enclosed are the Permit Notice and the Inventory. Please note that two of the previously listed materials have been removed. Use of these materials have been discontinued at our facility in an effort to remove potential effects on our employees as well as the City and Community.

Thank you for your assistance in clearing up this matter.

Sincerely,

MEL CRAIG, Controller

MC/hs

Encl: Permit notice and inventory for 6-30-98

<pre>i= Inventory Item 0</pre>	FOUNDRY CO. — Factor Fa	cility Unit: Mo	= SiteID: ( obile Conta	019-005-00 ainers on	6148 = Site =
ZIP SLIP	HEMICAL NAME		7	Days On S	Site
#1, G -CENTRAL SE	this Facility Unit CTION OF BLDG. #1	Map: (	31 Id:	CAS#	
STATE TYPE = Liquid Mixture	PRESSURE TO AMBIENT A	EMPERATURE	CONTA Can - 5 ga		
Largest Contai	ner Daily 1	THIS LOCATION = Maximum 20.00 GAL	Daily	y Average 8.00	GAL
1 1	HAZARDOUS COMPON	ents =	1 1		
%Wt.			RS	CAS#	140010
5.00 Silicon 80.00 Heptane			No No		140213 142825
10.00 Aluminum		•	No		129905
TSecret RS BioHaz	Radioactive/Amount		NFPA	USDOT#	MCP
No No No	No/ Curies	BFA Mazarus	/ / /	OBDO1#	Mod
COMMON NAME / C ZIP STIK CORE PASTE				Days On S	
Location within #1, G -CENTRAL SE	this Facility Unit CTION OF BLDG. #1	Map: (	Grid:	CAS#	
STATE TYPE = Liquid Mixture	PRESSURE TAMbient A	EMPERATURE =	Can - 5 g	INER TYPE allons or	less
Largest Contai 5.	1	THIS LOCATION = Maximum 20.00 GAL	Dail	y Average 8.00	GAL
<del></del>	HAZARDOUS COMPON	ents <del> </del>	- 1 1		
%Wt.	473k_		RS	CAS#	214467
10.00 Aluminum S 55.00 Silicon Di			No No		531869
22.00 Acetone			No		67641
	ע ממסאסאר די	SSESSMENTS =	1		
TSecret RS BioHaz	TALAKU A	PPERPRINTO		T	

= Invento	ry Item 00	16 =	Fa	cility Unit: I	<pre>SiteID: Mobile Conf</pre>	019-005-00 tainers on	06148 = Site =
SIMPLOT :	SILICA SAN	D	NAME	Map:	Grid:	Days On 8 365	Site
	CENTER SEC					CAS#	
STATE =	TYPE =	PRI Ambie		EMPERATURE — mbient	Bag	AINER TYPE	
Large	st Contain 6200.0		Daily	THIS LOCATION Maximum 3000.00 LBS		ly Average 12000.00	LBS
%Wt. 99.00 S:	ilica, Cry		ARDOUS COMPON	ENTS —	RS No	CAS#	631869
TSecret I	RS BioHaz		HAZARD Active/Amount Curies	SSESSMENTS ==   EPA Hazards	NFPA / / /	USDOT#	MCP Min
COMMON STAINLESS	NAME / CH S STEEL SC	EMICAL 1	NAME ——— Fa	cility Unit: N	Mobile Con	Days On S	
STEEL ALI Location (245) 2-0	on within	this Fac	cility Unit	Map:	Grid:	365 CAS#	
= STATE =	TYPE — Mixture	PRI Ambie		EMPERATURE — mbient	CONT		
Larges	st Contain 2000.0		Daily	THIS LOCATION Maximum 0000.00 LBS	Dail	ly Average 5000.00	LBS
%Wt. 45.00 Ir 30.00 Ni 20.00 Ch	ckel	— HAZA	ARDOUS COMPON	ents <del></del>	RS No No No	74	139896 140020 140473
TSecret F	S BioHaz No	Radioac No/	HAZARD A ctive/Amount Curies	SSESSMENTS ===   EPA Hazards 	NFPA ///	USDOT#	MCP Min

						· ·	
E MODERN P	ATTERN & F	OUNDRY CO. ===		٠ ١	= SiteID:	019-005-00	6148 =
= Invento	ry Item 00	14	=== Faci	lity Unit: M	obile Cont	ainers on	Site =
COMMON	NAME / CH	EMICAL NAME ==					
	(BINDER)	No Inveso 11	CED 4	ue Frience	,	Days On §	ito
		No Louger U th solvents	abu at i h	13 PHOLLING		365	عبعد
			TT		G 3	2003	
		this Facility		Map:	Grid: -		
#1, F -	CENTER SEC	TION OF BLDG.	#1			CAS#	•
				4			
		<del></del>					······································
	TYPE ===	· •	TEM	IPERATURE 🔫		INER TYPE	
Liquid	Mixture	Ambient	Amb	oient /	Steel dru	ım	
	<u> </u>						
		AMOUN	TS AT TH	LS LOCATION			
Large	st Contain		Dail Ma		Dail	y Average	
		0 GAL		25.00 GAL		60.00	GAT.
		O GAL		23.00 GAL			
		— HAZARDOUS	COMPONITION	mc .			
0.7.74		== HAZIARDOUS	COMPONEN	13		G3 G#	
%Wt.		(222)			RS RS	CAS#	E0000
	ormaldehyd				Yes		50000
30.00 P	etroleum D	istillate, Str	aight Ru	n Middle	· NO	_ 80	002059
						<del></del>	
	<del> </del>	HA	ZARD ASS	SESSMENTS ===	T	_	
TSecret	RS BioHaz	Radioactive/A	mount	EPA Hazards	NFPA	USDOT#	MCP
	es No		uries		///		Hi
COMMON RESIN CO	NAME / CHI NATED SAND	15 <del> </del>		lity Unit: M	obile Cont	Days On S	
		this Facility			1.		site
		TION OF BLDG.	OHITC	Man.	Crid.	365	sice
#T, D -	CENTER SEC	TION OF PUDG.	#1	Map:	Grid:		
1			#1	Map:	Grid:	CAS#	
			#1	Map:	Grid: -		
	my DH					CAS#	
STATE =		PRESSURE	TEM	IPERATURE —	CONTA	CAS#	
= STATE =	TYPE —		TEM			CAS#	
= STATE =		PRESSURE Ambient	TEM Amb	IPERATURE —	CONTA	CAS#	
= STATE =		PRESSURE Ambient AMOUN	TEM Amb	PERATURE — ient	CONTA	CAS#	
		PRESSURE Ambient AMOUN	TEM Amb	PERATURE — ient	CONTA	CAS# AINER TYPE -y Average	
	Mixture est Containe	PRESSURE Ambient AMOUN	TEM Amb	PERATURE — ient	CONTA	CAS#	
	Mixture est Containe	PRESSURE Ambient  AMOUN	TEM Amb	IPERATURE	CONTA	CAS# AINER TYPE -y Average	
	Mixture est Containe	PRESSURE Ambient  AMOUN er 0 LBS	TEM Amb TTS AT TH Daily Ma 50	IPERATURE  Dient  IIS LOCATION : Eximum   1000.00 LBS   1000.00 LBS	CONTA	CAS# AINER TYPE -y Average	
Large	Mixture est Containe	PRESSURE Ambient  AMOUN	TEM Amb TTS AT TH Daily Ma 50	IPERATURE  Dient  IIS LOCATION : Eximum   1000.00 LBS   1000.00 LBS	CONTA Bag	CAS# AINER TYPE  Ly Average 2000.00	
Large	Mixture est Containe 80.00	PRESSURE Ambient  AMOUN  er 0 LBS  HAZARDOUS	TEM Amb TTS AT TH Daily Ma 50	IPERATURE  Dient  IIS LOCATION : Eximum   1000.00 LBS   1000.00 LBS	Bag Dail	CAS# AINER TYPE  AY Average 2000.00  CAS#	LBS
Large %Wt. 1.00 P	Mixture st Containe 80.00	PRESSURE Ambient  AMOUN  er 0 LBS  HAZARDOUS	TEM Amb TTS AT TH Daily Ma 50	IPERATURE  Dient  IIS LOCATION : Eximum   1000.00 LBS   1000.00 LBS	Dail	CAS# AINER TYPE  Y Average 2000.00  CAS#	LBS 108952
Large %Wt. 1.00 P	Mixture est Containe 80.00	PRESSURE Ambient  AMOUN  er 0 LBS  HAZARDOUS	TEM Amb TTS AT TH Daily Ma 50	IPERATURE  Dient  IIS LOCATION : Eximum   1000.00 LBS   1000.00 LBS	Bag Dail	CAS# AINER TYPE  Y Average 2000.00  CAS#	LBS
Large %Wt. 1.00 P	Mixture st Containe 80.00	PRESSURE Ambient  amount  or 0 LBS  HAZARDOUS ) stalline	TEM Amb TTS AT TH Daily Ma 50 COMPONEN	IPERATURE Sient  IIS LOCATION SIXIMUM 000.00 LBS	Dail	CAS# AINER TYPE  Y Average 2000.00  CAS#	LBS 108952
*Wt. 1.00 P 90.00 S	Mixture  st Containe 80.00  henol (EPA)	PRESSURE Ambient  AMOUN  er 0 LBS  HAZARDOUS ) stalline	TEM Amb TTS AT TH Daily Ma 50 COMPONEN	IPERATURE  Dient  IIS LOCATION  EXIMUM   000.00 LBS	Dail RS Yes No	CAS# AINER TYPE  Y Average 2000.00  CAS#	LBS 108952 308607
%Wt. 1.00 P 90.00 S	Mixture  st Containe 80.00  henol (EPA) cilica, Crys	PRESSURE Ambient  AMOUNT  O LBS  HAZARDOUS  stalline  HA  Radioactive/A	TEM Amb TTS AT TH Daily Ma 50 COMPONEN	IPERATURE Sient  IIS LOCATION SIXIMUM 000.00 LBS	Dail  RS Yes No	CAS# AINER TYPE  Y Average 2000.00  CAS#	LBS 108952 308607
%Wt. 1.00 P 90.00 S	Mixture  st Containe 80.00  henol (EPA)	PRESSURE Ambient  AMOUNT  O LBS  HAZARDOUS  stalline  HA  Radioactive/A	TEM Amb TTS AT TH Daily Ma 50 COMPONEN	IPERATURE  Dient  IIS LOCATION  EXIMUM   000.00 LBS	Dail RS Yes No	CAS# AINER TYPE  Y Average 2000.00  CAS#	LBS 108952 308607

F MODERN PATTERN & FOUNDRY CO. ———————————————————————————————————	== SiteID: Mobile Con	019-005-006148 : tainers on Site :					
NITROGEN		Days On Site 365					
Location within this Facility Unit Map: #1 E - NORTH WALL OF NON-FERROUS CASTING AREA	Grid:	CAS# 7727379					
Gas Pure Above Ambient Ambient		AINER TYPE ——— , Portable Press					
Largest Container Daily Maximum 690.00 FT3	and the second s	aily Average 300.00 FT3					
HAZARDOUS COMPONENTS							
%Wt. 100.00 Nitrogen	RS No	CAS# 77273 <b>7</b> 9					
HAZARD ASSESSMENTS =							
TSecret RS BioHaz Radioactive/Amount EPA Hazards No No No No/ Curies P IH	NFPA 2/0/0/	USDOT# MCP 1066 Low					
= Inventory Item 0024 ==================================							
OXYGEN  Location within this Facility Unit Map:	Grid:	Days On Site 365					
#1 F - NORTH OF SHIPPING AREA		CAS# 7782447					
Gas Pure PRESSURE TEMPERATURE Ambient	AINER TYPE ——— , Portable Press						
AMOUNTS AT THIS LOCATION —							
Largest Container Daily Maximum 281.00 FT3 1124.00 FT3	Dai	ly Average 700.00 FT3					
HAZARDOUS COMPONENTS =							
%Wt. 100.00 Oxygen, Compressed	RS No	CAS# 7782447					
HAZARD ASSESSMENTS							
TSecret RS BioHaz Radioactive/Amount EPA Hazards No No No No/ Curies F P DH	NFPA 1/0/0/	USDOT# MCP 1072 Low					

F MODERN PATTERN & FOUNDRY CO. — Facility Unit: M	= SiteID: Mobile Con	019-005-006148 = tainers on Site =					
COMMON NAME / CHEMICAL NAME MURIATIC ACID HYDROGEN CHLORIDE Location within this Facility Unit Map:	Grid:	Days On Site 365					
Location within this Facility Unit Map: Grid: Y, A -SW CORNER OF OPEN YARD CAS# 764701							
STATE TYPE PRESSURE TEMPERATURE CONTAINER TYPE Ambient Ambient Plastic bottle or jug							
Largest Container Daily Maximum 1.00 GAL 40.00 GAL	Dai	ily Average 20.00 GAL					
*Wt. 99.00 Hydrogen Chloride	RS No	CAS# 7647010					
TSecret RS BioHaz Radioactive/Amount EPA Hazards No No No No/ Curies	NFPA / / /	USDOT# MCP					
Inventory Item 0013 — Facility Unit: M COMMON NAME / CHEMICAL NAME — Facility Unit: M NICKEL NICKEL Location within this Facility Unit Map:	Mobile Con	Days On Site 365					
#2, B -NORTH WALL OF BLDG. #2 CAS#  STATE TYPE PRESSURE TEMPERATURE CONTAINER TYPE							
Solid Mixture Ambient TEMPERATURE Ambient	Box	AINER TIPE					
Largest Container Daily Maximum 22.00 LBS 600.00 LBS	ily Average 200.00 LBS						
#Wt. 90.00 Nickel 3.00 Nickel Oxide 2.00 Cobaltous Oxide	RS No No No	CAS# 7440020 1313991 1308061					
TSecret RS BioHaz Radioactive/Amount EPA Hazards No No No No/ Curies	NFPA / / /	USDOT# MCP Min					

Inven	tory Item	0010 ===	Fa	cility Unit: I	— SiteID: Mobile Con	019-005-0 tainers on	06148 : Site :	
LOW CA	RBON IRON ALLOY		NAME	·	Grid	Days On 365	Site	
(246)	Location within this Facility Unit Map: Grid: CAS#							
STATE Solid	TYPE Mixtur	e Ambi		EMPERATURE == mbient	Steel dr			
Lar	Largest Container Daily Maximum Daily Average 4000.00 LBS 12000.00 LBS 5000.00 LBS							
		HAZ	ARDOUS COMPON	ENTS =				
96.00	%Wt. 96.00 Iron 2.00 Manganese Carbon, Reactive						CAS# 7439896 7439965 7440440	
			*********					
TSecret No	RS BioHa No No	z Radioa No/	THAZARD A ctive/Amount Curies	SSESSMENTS ===   EPA Hazards 	NFPA ///	USDOT#	MCP Low	
MOLYBDI FERRO-N	Inventory Item 0011 — Facility Unit: Mobile Containers on Site:  COMMON NAME / CHEMICAL NAME — Days On Site FERRO-MOLYBDENUM 365							
	Location within this Facility Unit Map: Grid: #2, B -NORTH WALL OF BLDG. #2 CAS#						-	
STATE TYPE PRESSURE TEMPERATURE CON' Mixture Ambient Ambient Box						AINER TYPE		
Largest Container Daily Maximum Daily Maximu					Dai	Daily Average 70.00 LBS		
		HAZ	ARDOUS COMPON	ents —				
32.00	Molybdenur Iron Silicon	<b>1</b> 			RS No No No	7.	439987 439896 440213	
			HAZARD A	SSESSMENTS ===		1		
TSecret No	RS BioHaz No No	Radioac No/	ctive/Amount Curies	EPA Hazards	NFPA / /	USDOT#	MCP Min	

F MODERN PATTERN & FOUND FOR Inventory Item 0008 COMMON NAME / CHEM FUSED SILICA SILICON DIOXIDE Location within the	Fa.  MICAL NAME ——— Fa.  MICAL NAME Unit	cility Unit: M	obile Cont	019-005-0 ainers on Days On 365	Site:	
#1, H - NORTH END. C	#1, H - NORTH END. OF BLDG. #1					
Solid Pure		EMPERATURE	Bag	INER TYPE		
Largest Container Daily Maximum Daily Average 22000.00 LBS 2000.00 LBS						
%Wt.	*Wt. 99.00 Silica, Crystalline RS					
	HAZARD AS Radioactive/Amount No/ Curies		NFPA ///	USDOT#	MCP Min	
= Inventory Item 0009 = COMMON NAME / CHEM	) Fac	cility Unit: Mo	obile Cont	ainers on	Site:	
ISOPROPYL ALCOHOL  Location within th	Grid:	Days On Site 365				
	thin this Facility Unit Map: Grid: CT. A & WASTE YARD, SECT. A		JII.	CAS#		
STATE TYPE PRESSURE TEMPERATURE CONTAINER TYPE Liquid Pure Ambient Ambient Steel drum						
Largest Container Daily Maximum Dail 55.00 GAL 55.00 GAL					GAL	
%Wt. 100.00 Isopropyl Alc	= HAZARDOUS COMPONE	ents <del></del>	RS No	CAS#	67630	
1 1 1	HAZARD AS adioactive/Amount No/ Curies	SSESSMENTS EPA Hazards F IH	NFPA 1/3/0/	USDOT#	MCP Mod	

FERRO METAL	tory ON N CHRO ALLO tion	Item 0 AME / C ME LC L Y	006 <del></del> HEMICAL 1 UMP	NAME ————————————————————————————————————	Fa	cility Unit:	Sit	Con	019-005-0 tainers on Days On 365 CAS#	Site:
= STATE		TYPE = Mixture				EMPERATURE == mbient		CONT		-
Lar	Largest Container Daily Maximum Daily Maximu						Dai.	ily Average 3000.00 LBS		
%Wt. 70.00 30.00		omium n	—— HAZ	ARDOUS COM	PON	ENTS ————		RS No No		440473 439896
TSecret No	RS No	BioHaz No	Radioad No/	HAZARI ctive/Amour Curi	nt	SSESSMENTS — EPA Hazards	N	'PA /	USDOT#	MCP Min
FERRO S	ON NO SILI	AME / CH	HEMICAL N DYS	JAME ————		cility Unit:			Days On 3	
(275)				James y Oxide		rap.	Gria:		CAS#	
STATE Solid		TYPE = Mixture	PRE Ambie	SSURE ——		EMPERATURE — mbient	1	CONTA		
Larg	gest	Contain 400.0	ner 00 LBS		Ly N	THIS LOCATION Maximum 0000.00 LBS		Dail	ly Average 1200.00	LBS
%Wt. 90.00	Sil: Iron	icon	HAZA	RDOUS COME	PONE	ents <del></del>		RS No No		140213 139896
TSecret No	RS No	BioHaz No	Radioac No/	HAZARI tive/Amour Curie	ıt	SSESSMENTS === EPA Hazards		'PA / /	USDOT#	MCP Min

F MODERN PATTERN & FOUNDRY CO. — Facility Unit: N	= SiteID: Mobile Con	019-005-006148 : tainers on Site :				
COMMON NAME / CHEMICAL NAME CHEM-REZ LA  Location within this Facility Unit Map:	Grid:	Days On Site 365				
(120) 1-F & Y-B	GIId.	CAS#				
STATE TYPE PRESSURE TEMPERATURE CONTAINER TYPE Liquid Mixture Ambient Ambient Steel drum						
Largest Container Daily Maximum Daily Average 2500.00 LBS 700.00 LBS						
HAZARDOUS COMPONENTS —		T				
%Wt. 20.00 Fatty Acids	RS No	CAS#				
5.00 Resorcinol 2.00 Methyl Alcohol	No No	108463 67561				
HAZARD ASSESSMENTS						
TSecret RS BioHaz Radioactive/Amount EPA Hazards No No No No/ Curies	NFPA ///	USDOT# MCP Hi				
= Inventory Item 0005 = Facility Unit: Mobile Containers on Site COMMON NAME / CHEMICAL NAME = Facility Unit: Mobile Containers on Site						
DUROC CALCIUM SULFATE HEMI Location within this Facility Unit Map:	Grid.	Days On Site 365				
(140) 1-H	GIIU.	CAS#				
STATE TYPE PRESSURE TEMPERATURE CONTAINER TO Solid Mixture Ambient Ambient Box						
AMOUNTS AT THIS LOCATION —						
Largest Container Daily Maximum 100.00 LBS 200.00 LBS	Daily Average 125.00 LBS					
HAZARDOUS COMPONENTS	<u> </u>					
%Wt. 90.00 Calcium Sulfate 10.00 Silica, Crystalline	RS No No	CAS# 7778189 14808607				
HAZARD ASSESSMENTS						
TSecret RS BioHaz Radioactive/Amount EPA Hazards No No No No/ Curies	NFPA ///	USDOT# MCP Min				

F Inven	tory	′Item O	004 ====	CO. ====================================	Fac	cility Unit:	== Sit Mobile	ceID:	019-005-0 ainers on	06148 : Site :
CASTIN WAX	G WA	X		•		Map:	Grid		Days On 365	Site
(198)	1-H	& 1-M				πωρ.	OI IU		CAS#	
STATE Solid		TYPE = Mixture	PR Ambi	ESSURE ———		EMPERATURE === mbient	Вох	CONTA	INER TYPE	
Lar	gest	Contai 70.			Ly N	THIS LOCATION Maximum 0000.00 LBS		Dail	y Average 6000.00	
%Wt.	Wax		HAZ	ARDOUS COME	PONE	ENTS ————		RS No	CAS#	002742
TSecret No	RS No	BioHaz No	Radioa	HAZARD Ctive/Amoun Curie	ıt	SSESSMENTS <del>-</del> EPA Hazards	NE	PA //	USDOT#	MCP Min
= Invent	tory ON N	Item 0: AME / C	026 <del></del>	NAME ———	Fac	cility Unit: I	Mobile	· Cont	ainers on	Site :
		ATALYST within	~	cility Unit		Man.	Grid:		Days On 8	Site
(122)	1-F a	& Y-B		JIIIO, OHIO	•	nap.	GIIU.		CAS#	
STATE		TYPE = Mixture	PRI Ambie	ESSURE ===		MPERATURE === bient		CONTA 1 dru		
Larg	gest	Contair 550.0	ner 00 LBS		yМ	HIS LOCATION Maximum .000.00 LBS		Dail	y Average 400.00	LBS
%Wt. 75.00 75.00	Sulf	Eonic Ac Eonic Ac RGANIC A	ids ids	ARDOUS COMP	ONE	ents ————		RS No No No	CAS#	0 0
TSecret No	RS No	BioHaz No	Radioac No/	HAZARD tive/Amoun Curie	t	SESSMENTS — EPA Hazards	_	PA / /	USDOT#	MCP Mod

F MODERN PATTERN & Inventory Item 0 COMMON NAME / 0 ARGON Location within	021 ————————————————————————————————————	E Fa	cility Unit: M	= SiteID:  obile Con	019-005-0 tainers on Days On 365	Site
#1 B - NORTH SECT	ION OF CLEA	NING AREA	-		CAS#	
Gas TYPE =	PRESS Above A		'EMPERATURE		AINER TYPE , Portable	
Largest Contai 336.			THIS LOCATION Maximum 4032.00 FT3	Dai	ly Average 2500.00	FT3
	HAZARD	OUS COMPON	ENTS —			
%Wt. 100.00 Argon				RS No	,	440371
		= HAZARD A	SSESSMENTS ===			
TSecret RS BioHaz No No No				NFPA 1/0/0/	USDOT# 1006	MCP Min
= Inventory Item 0 = COMMON NAME / C	022 <del></del> HEMICAL NAMI	Fa	cility Unit: M	obile Con	tainers on	Site:
CARBON DIOXIDE  Location within	this Facil:	itv Unit	Map:	Grid:	Days On 365	Site
#1 C - NORTH OF I					CAS#	124389
Gas TYPE =	Above Ar		EMPERATURE ————————————————————————————————————		AINER TYPE , Portable	
Largest Contai 150.			THIS LOCATION Maximum 500.00 FT3	Dai	ly Average 200.00	FT3
	HAZARDO	OUS COMPON	ENTS —			
%Wt. 100.00 Carbon Dio	•	• .		RS No	CAS#	124389
		= HAZARD A	SSESSMENTS ===			
TSecret RS BioHaz No No No	Radioactiv No/		EPA Hazards P IH	NFPA 1/0/0/	USDOT# 1013	MCP Low

F MODERN PATTERN & = Inventory Item 0 = COMMON NAME / C	FOUNDRY CO. ———————————————————————————————————	Facility Unit: 1	= SiteID: Mobile Cont	019-005-0 tainers on	06148 Site
903 INVESTMENT SILICONE SIOXIDE	this Facility Uni	• •	Grid:	Days On 3	Site
#1, A - NORTH WAL		- nap.	oriu.	CAS#	
= STATE = TYPE = Mixture	PRESSURE —— Ambient	TEMPERATURE === Ambient	Bag CONTA	AINER TYPE	
Largest Contai		AT THIS LOCATION ly Maximum 2000.00 LBS		ly Average 300.00	
%Wt. 60.00 Silica, Cr 40.00 Calcium Su		PONENTS —	RS No No	76	631869 778189
TSecret RS BioHaz No No No	Radioactive/Amour		NFPA //	USDOT#	MCP Min
= Inventory Item 00 COMMON NAME / CHACETYLENE	D20 ====================================	Facility Unit: N	Mobile Cont	cainers on Days On S	
Location within #1 F - EAST OF IN	this Facility Unit JESTMENT DEPT AREA	Map:	Grid:	365 CAS#	
Gas TYPE = Mixture	PRESSURE Above Ambient	TEMPERATURE Ambient		NINER TYPE Portable	
Largest Contair 335.0		AT THIS LOCATION LY Maximum 335.00 FT3	Dail	y Average 100.00	FT3
%Wt. 100.00 Acetylene	HAZARDOUS COME	PONENTS ————	RS	CAS#	74862
TSecret RS BioHaz No No No	Radioactive/Amoun	1	NFPA 1/4/0/	USDOT#	MCP Hi

= Inven	tory	Item 0	001 ====	CO. — Fa	cility Unit: M	= SiteID: Obile Cont	019-005-0 ainers on	06148 : Site :
1 <del>11-TR</del>	TCHE	OROETHA	NE //	O LONGER USE	•		Days On :	Site
Y, A -	SW C	WYCHIN ORNER Q	this Fac F OPEN Y	cility Unit ARD	Map:	Grid:	CAS#	71556
E STATE		TYPE = Pure	PRI Ambi	ent A	EMPERATURE mbient	Steel dru	AINER TYPE	
Lar	gest	Contai 55.	ner 00 GAL		THYS LOCATION Maximum 65.00 GAL	Dail	y Average 30.00	
%Wt. 99.00	1,1	,1-Tric	hloroeth	MARDOUS COMPON	ENTS —	RS No	CAS#	71556
TSecret No	R8 No	BioHaz No		HAZARD A ctive/Amount Curies	SSESSMENTS ===   EPA Hazards 	NFPA 2/1/0/	USDO92#	MCP Low
⊏ Inven	tory	Item 0	002 <del></del>	Fa	cility Unit: M	obile Cont	ainers on	Site:
601 IN SILICO	VESTI N SI	MENT OXIDE			Map:	Crid.	Days On 8	Site
			L OF BLDO		map:	Gria:	CAS# 70	631869
= STATE		TYPE =	PRE Ambie		EMPERATURE — mbient	Bag	INER TYPE	
Lar	gest	Contain 100.0	ner 00 LBS	Daily D	THIS LOCATION Maximum 2000.00 LBS	Dail	y Average 300.00	LBS
	<del></del>		— HAZA	ARDOUS COMPON	ents <del></del>			
%Wt. 60.00 40.00		ica, Cry	ystalline lfate	<b>.</b>		RS No No		631869 7 <b>7</b> 8189
				HAZARD A	SSESSMENTS =			
TSecret No	RS No	BioHaz No	Radioac No/	ctive/Amount Curies	EPA Hazards	NFPA ///	USDOT#	MCP Min

MODERN PATTERN & FOUNDRY CO.

= SiteID: 019-005-006148

Hazmat Inventory — — Alphabetical Order —

By Facility Unit
Mobile Containers on Site

	····							
Hazmat Common Name	• • •	SpecHaz	EPA	Hazards	Frm	DailyMax	Unit	MCP
111-TRICHLOROETHANE	USE DIS	CONTINU	ED		·L	65	GAL	<del>-Fo</del> w
601 INVESTMENT						2000		Min
903 INVESTMENT				*		2000		Min
ACETYLENE			F P	IH	G		FT3	Hi
ARGON			P	IH	G	4032		Min
CARBON DIOXIDE			P	IH	Ğ	500		Low
CASTING WAX	•				Š	10000		Min
CHEM-REZ CATALYST 2009	Q					1000		Mod
CHEM-REZ LA				•	L		LBS	Hi
DUROC					s		LBS	Min
FERRO CHROME LC LUMP					Ľ	8000	-	Min
FERRO SILICON ALLOYS					S	10000		Min
FUSED SILICA					S	22000	LBS	Min
ISOPROPYL ALCOHOL			F	IH	Ľ	55	GAL	Mod
LOW CARBON IRON	·				s		LBS	Low
MOLYBDENUM					. —		-	Min
MURIATIC ACID					L	40	GAL	Hi
NICKEL					s	600		Min
NITROGEN			P	IH	Ğ	<del>-</del>	FT3	Low
OXYGEN			FP	DH	Ğ	1124		Low
PEP SET (BINDER) - USE	DISCONTI	UkenE			Ĺ	125-	-	Hi-
RESIN COATED SAND		E			_	5000		Mod
SIMPLOT SILICA SAND			•		S			Min
STAINLESS STEEL SCRAP		٤,			S			Min
ZIP SLIP		•			L			Mod
ZIP STIK					L			Mod
•					_	20		. IOU

CITY OF VERNON, HAZARDOUS 1	MATERIALS INVENTORY REPORT
MODERN PATTERN & FOUNDRY CO.	SiteID: 019-005-006148
Operator: ROLAND MECKEL Location: 5610 ALCOA AVE City : VERNON	BusPhone: (213) 583-4921 Map: CommHaz: UnRaţed Grid: : 1 AOV:
CommCode: District 1 EPA Numb: CAD982025488	SIC Code:3364 DunnBrad:00-837-9828
Emergency Contact / Title ROLAND B. MECKEL / PRESIDENT Business Phone: (213) 583-4921x 24-Hour Phone: FX-6 Personal Privacy Pager Phone: () - x	Emergency Contact / Title RAFAEL GONZALEZ / SHOP SUPT Business Phone: (213) 583-4921x 24-Hour Phone: FX-6 Personal Privacy Pager Phone: () - x
Hazmat Hazards: RSs	Fire Press ImmHlth DelHlth
Contact: ROLAND MECKEL MailAddr: FX-6 Personal Privacy City:	Phone: (213) 583-4921x State: CA Zip : 90058
Propownr ROLAND B. MECKEL Address: FX-6 Personal Privacy City:	Phone: (213) 583-4921x State: CA Zip : 90058-3793
Period : to Preparer: Certif'd:	TotalASTs: = Gal TotalUSTs: = Gal RSs: Yes
Miscellaneous Information	
B\L 100813, FOUNDRY OPERATIONS PRODUCIN	NG STEEL AND ALUMINUM CASTING
	POSTO DIC JUL 08 1008
	$v_{\cdots}$
	1711 17/20/an

F MODERN	PATTERN & ory Item (	FOUNDRY 020	CO. ——— Fa	cility Unit: M	= SiteID: obile Cont	019-005-0 ainers on	06148 = Site =
ZIP SLI	N NAME / C P	HEMICAL	NAME			Days On 3	
	ion within CENTRAL SE		cility Unit BLDG. #1			CAS#	
STATE :	TYPE =		ESSURE T ent A	EMPERATURE mbient		INER TYPE	
Larg	est Contai	ner GAL		THIS LOCATION Maximum 20.00 GAL	Dail	y Average 8.00	GAL
		HAZ	ARDOUS COMPON	ENTS =			
80.00	Silicon Heptane Aluminum				EHS No No No		440213 142825 429905
		-			<u></u>		
1	EHS BioHaz		HAZARD A	SSESSMENTS ===   EPA Hazards 	NFPA ///	USDOT#	MCP Min
= Invento	ory Item 0	021 ===	Fa	cility Unit: M	obile Cont	ainers on	Site =
ZIP STI						Days On 3	Site
	CENTRAL SE		cility Unit BLDG. #1			CAS#	
STATE =	TYPE =			EMPERATURE —— mbient		INER TYPE	
Large	est Contai	ner GAL		THIS LOCATION : Maximum 20.00 GAL	Dail	y Average 8.00	GAL
<u> </u>		—— HAZZ	ARDOUS COMPON	ENTS —	·		
55.00	Aluminum S Silicon Di Acetone				EHS No No No		214467 631869 67641
			HAZARD A	SSESSMENTS ===			
1	EHS BioHaz No No	Radioad No/	ctive/Amount Curies	EPA Hazards	NFPA	USDOT#	MCP Min

F MODERN PATTERN & = Inventory Item 0	018 ————	—— Fa				
COMMON NAME / C SIMPLOT SILICA SA Location within	ND		. \		Days On 8 365	Site
#1, D - CENTER SE					CAS#	
STATE TYPE =	PRESSURE Ambient		EMPERATURE ————————————————————————————————————	CONTA	INER TÝPE	
Largest Contai	<b> </b>	Daily 1	THIS LOCATION : Maximum 3000.00 LBS	Dail	y Average 12000.00	LBS
%Wt. 99.00 Silica, Cr	HAZARDOUS	COMPON	ENTS —	EHS No	CAS#	631869
TSecret EHS BioHaz No No No	Radioactive/A		SSESSMENTS ====   EPA Hazards	NFPA ///	USDOT#	MCP UnR
= Inventory Item 0; = COMMON NAME / CI STAINLESS STEEL So Location within (245) 2-C	HEMICAL NAME == CRAP	<del></del>	cility Unit: M	obile Cont	Days On S 365 CAS#	Site
STATE TYPE = Solid Mixture	PRESSURE Ambient	a t	EMPERATURE —	CONTA Steel dru		
Largest Contain		Daily N	THIS LOCATION : Maximum 0000.00 LBS	Dail	y Average 5000.00	LBS
%Wt. 45.00 Iron 30.00 Nickel 20.00 Chromium	HAZARDOUS			EHS No No No	74	139896 140020 140473
TSecret EHS BioHaz	Radioactive/A		SSESSMENTS ====   EPA Hazards	NFPA ///	USDOT#	MCP Min

F MODERN PATTERN & = Inventory Item (	016	<pre>= Facility Unit: M</pre>	= SiteID: Mobile Cont	019-005-00 ainers on	06148 = Site =			
PEP SET (BINDER)	HEMICAL NAME			Days On S	Site			
	this Facility Un CTION OF BLDG. #1	*		CAS#				
STATE TYPE = Liquid Mixture	l l	TEMPERATURE — Ambient	CONTA					
Largest Container Daily Maximum Daily Average  55 GAL 125.00 GAL 60.00 GAL								
%Wt. 1.00 Formaldehy 30.00 Petroleum	Distillate, Strai	ght Run Middle	EHS Yes No	CAS#	50000 002059			
TSecret EHS BioHaz			NFPA / / /	USDOT#	MCP UnR			
= Inventory Item C	017 — NAME	= Facility Unit: M	Mobile Cont	ainers on	Site:			
RESIN COATED SAND	HEMICAL NAME		Mobile Cont	ainers on Days On 8 365	<del> </del>			
RESIN COATED SAND	HEMICAL NAME ————————————————————————————————————	it	Mobile Cont	Days On S	<del> </del>			
RESIN COATED SAND	this Facility Un	it		Days On S 365 CAS#	Site			
COMMON NAME / CORESIN COATED SAND Location within #1, D - CENTER SE	this Facility Un CTION OF BLDG. #1 PRESSURE = Ambient AMOUNTS	it TEMPERATURE	CONTA Bag	Days On S 365 CAS#	Site			
Location within #1, D - CENTER SE  STATE TYPE = Mixture	this Facility Un CTION OF BLDG. #1  PRESSURE = AMOUNTS  ner Da  LBS HAZARDOUS CO	TEMPERATURE Ambient  AT THIS LOCATION ily Maximum 5000.00 LBS	CONTA Bag	Days On S 365  CAS#  AINER TYPE  AVERAGE 2000.00  CAS#	Site			

Inventor COMMON	ory Item 00: NAME / CH	25 ====	<del></del>	Fa	cility Unit: M	= Site	eID: Cont	019-005-0 ainers on	06148 Site
NITROGEN	on within	thia Pac	ilitz IIni	<b>-</b>				Days On 365	Site
#1 E - N	ORTH WALL	OF NON-F	ERROUS CA	STI	NG AREA			CAS# 77273	
STATE =	TYPE ==		SSURE ——		EMPERATURE ————————————————————————————————————			INER TYPE Portable	
_	st Containe				THIS LOCATION Maximum 690.00 FT3		Dail	y Average 300.00	
%Wt. 100.00 N	itrogen	— HAZA	RDOUS COM	PON	ENTS =		EHŞ No	CAS#	727379
TSecret E	1		HAZARI tive/Amou	nt	SSESSMENTS ——   EPA Hazards   P IH	NFI /	PA / /	USDOT#	MCP Low
= Invento	ry Item 002 NAME / CHE	26 <del></del>	AME:	Fa	cility Unit: M	obile	Cont	ainers on	Site:
OXYGEN	on within t		·	_				Days On 365	Site
#1 F - No	ORTH OF SHI	PPING A	REA	<b>-</b> .	• 			CAS# 7782447	
STATE =	TYPE —		SSURE —— Ambient		EMPERATURE			INER TYPE Portable	
Larges	st Containe 28/ CF	FT3	Dail	Ly I	THIS LOCATION : Maximum 1124.00 FT3		Dail	y Average 700.00	FT3
%Wt	cygen, Comp		RDOUS COME	PONI	ENTS ————		EHS No	CAS#	782447
TSecret EN No		Radioact No/	HAZARI Live/Amour Curie	ıt	SSESSMENTS ==== EPA Hazards P DH	NFE //		USDOT#	MCP UnR

= Inventory	Item 00:	OUNDRY CO. ———————————————————————————————————	Facility Unit:	== SiteID: Mobile Con	019-005-0 tainers on	06148 Site
MURIATIC AC	CID	this Facility Uni			Days On 365	Site
Y, A -SW CC					CAS# 7647010	
	TYPE =	PRESSURE	TEMPERATURE == Ambient		AINER TYPE <del>am</del> <i>Plastic B</i> o	
Largest	Containe		AT THIS LOCATION ly Maximum 40.00 GAL		ly Average 20.00	
%Wt. 99.00 Hydr	•	HAZARDOUS COM	PONENTS —	EHS No	CAS#	647010
TSecret EHS No No	BioHaz No	Radioactive/Amount No/ Curio			USDOT#	MCP UnR
☐ Inventory ☐ COMMON NA	Item 001	L5 ————————————————————————————————————	Facility Unit: 1	Mobile Cons	zainers on	Site:
NICKEL		this Facility Unit			Days On 8 365	Site
#2, B -NORT			-		CAS#	
	TYPE === ixture	PRESSURE —— Ambient	TEMPERATURE — Ambient		AINER TYPE	
Largest	Containe	er Dail	AT THIS LOCATION Ly Maximum OO 1200.00 LBS	Dail	y Average	LBS
%Wt. 90.00 Nicke 3.00 Nicke 2.00 Coba	el Oxide		PONENTS ————	EHS No No No	13	140020 313991 308061
TSecret EHS No	BioHaz No	HAZARI Radioactive/Amour No/ Curie	1	NFPA / /	USDOT#	MCP Min

= Invent	tory	Item 00	12 ===	F	acility Unit: N	= SiteID: Mobile Cor	: 019-005-0 ntainers on	06148 : Site :
LOW CA	RBON	IRON		NAME ————————————————————————————————————			Days On 365	Site
(246) 2		MICHIN	CIIIS FA	circy onic			CAS#	
STATE Solid		TYPE = Mixture	PR Ambi		TEMPERATURE ————————————————————————————————————	CON' Steel dr		
Larg	gest	Contain		Daily	THIS LOCATION Maximum 12000.00 LBS	Dai	ily Average 5000.00	
<u> </u>			—— HAZ	ARDOUS COMPO	NENTS -		1	
%Wt. 96.00 2.00	Mang	n ganese oon, Rea	active			EHS No No No	7.	439896 439965 440440
				— UAZADD	ASSESSMENTS ===			
TSecret No	EHS No	BioHaz No		ctive/Amount Curies	EPA Hazards	NFPA / / /	USDOT#	MCP Low
MOLYBDE	ON NA ENUM	AME / CH	IEMICAL I	NAME F	acility Unit: M	Mobile Cor	Days On 365	<del></del>
			OF BLDG				CAS#	· ·
STATE	I	TYPE ==	PRI Ambi	ent	TEMPERATURE ————————————————————————————————————	Box	TAINER TYPE	
Larg	gest	Contair 200	ler LBS	1	THIS LOCATION Maximum 200.00 LBS	Dai	lly Average 70.00	LBS
			— HAZ	ARDOUS COMPO	NENTS ====	<del></del>		
%Wt.	36.3	J. J.			•	EHS	1	420005
	Iron	bdenum				No No	1	439987 439896.
	Sili		•			No		440213
				HAZARD	ASSESSMENTS ===			
	EHS No	BioHaz No	Radioad No/	ctive/Amount Curies	EPA Hazards	NFPA / /	USDOT#	MCP Min

= Inventor	ry Item 0	010	CO. FR	acility Unit: M	= SiteID:	019-005-0 cainers on	06148 : Site :
FUSED SII	LICA		·			Days On 365	Site
	ORTH END		cility Unit G. #1			CAS# 76318	
= STATE = Solid	= TYPE = Pure	PRI Ambie		TEMPERATURE ————————————————————————————————————	Bag	AINER TYPE	
Larges	st Contain		Daily	THIS LOCATION Maximum 22000.00 LBS	Dail	Ly Average 2000.00	
%Wt. 99.00 Si	lica, Cr		ARDOUS COMPON	NENTS	EHS No	CAS#	631869
TSecret EF			HAZARD Active/Amount Curies		NFPA ///	USDOT#	MCP UnR
ISOPROPYI	NAME / CI ALCOHOL	HEMICAL 1	TAME Fa	acility Unit: M	obile Cont	Days On	
			YARD, SECT	. А		CAS#	
STATE Liquid	= TYPE = Pure	PRI Ambie		TEMPERATURE —	CONTA		
Larges	t Contair	ner GAL		THIS LOCATION Maximum 55.00 GAL	Dail	y Average 30.00	GAL
%Wt. 100.00 Is	opropyl <i>P</i>		ARDOUS COMPON	NENTS —————	EHS No	CAS#	67630
TSecret EH		Radioac No/	HAZARD Active/Amount Curies	ASSESSMENTS ==== EPA Hazards F IH	NFPA / /	USDOT#	MCP UnR

F Invento	PATTERN & F ory Item 00 I NAME / CH	08 ===	<del></del>	Faci	lity Unit: M	= SiteID: Nobile Con	019-005-0 tainers on	06148 : Site :
FERRO CH	ROME LC LU	MP	cility Unit	_	•		Days On 365	Site
(215) 2-			orricy offic	-			CAS#	
STATE =	TYPE =	PRI Ambi	ESSURE ==== ent		PERATURE —	CONT		
Large	st Contain <i>200</i> 0			Ly Ma	IIS LOCATION Eximum	Dai	ly Average 3000.00	
%Wt. 70.00 30.00	hromium ron	<b>—</b> насл	ARDOUS COME	PONEN	TS	EHS No No	1	440473 439896
TSecret E	HS BioHaz		— HAZARI ctive/Amoun Curie	ıt	ESSMENTS — EPA Hazards	NFPA / /	USDOT#	MCP Min
COMMON	ry Item 00 NAME / CH LICON ALLO	EMICAL N	IAME ———	Faci	lity Unit: M	obile Cont	cainers on	
Locati (275) 2-		this Fac	ility Unit				365 CAS#	<del></del>
STATE =	TYPE — Mixture	PRE Ambie	SSURE =		PERATURE ===	CONTA	AINER TYPE	
Large	st Containe	er LBS		y Ma	IS LOCATION : ximum 00.00 LBS	Dail	y Average 1200.00	LBS
1	ilicon ron	— HAZA	RDOUS COMP	ONEN	TS =	EHS No No		440213 439896
TSecret EI	HS BioHaz	Radioac No/	HAZARD tive/Amoun Curie	t i	ESSMENTS <del></del> EPA Hazards	NFPA	USDOT#	MCP Min

	F MODERN PATTERN & = Inventory Item 0	0006 ======	Facility Unit: M	= SiteID: obile Con	019-005-00 tainers on	06148 : Site :
	CHEM-REZ CATALYSI	THEMICAL NAME ————————————————————————————————————			Days On S 365	Site
	(122) 1-F & Y-B	cons raciffly oni	<b>C</b>		CAS#	
	STATE TYPE = Mixture	PRESSURE	TEMPERATURE Ambient	CONT Steel dr	AINER TYPE	
	Largest Contai	1	AT THIS LOCATION ly Maximum 1000.00 LBS		Ay Average 400.00	LBS
7	%Wt. 60.00 Sulfonic A 10.00 INORGANIC		PONENTS	EHS No No	CAS#	0
	TSecret EHS BioHaz No No No	1		NFPA / /	USDOT#	MCP UnR
	☐ Inventory Item 0 ☐ COMMON NAME / C DUROC Location within			obile Com	tainers on Days On S 365	
	(140) 1-H			V	CAS#	
	STATE TYPE = Mixture		TEMPERATURE Ambient	Box	AINER TYPE	
	Largest Contai	· ·	AT THIS LOCATION ly Maximum 200.00 LBS	Dai	ly Average 125.00	LBS
	%Wt. 90.00 Calcium Su 10.00 Silica, Cr		PONENTS	EHS No No	7:	778189 308607
	TSecret EHS BioHaz No No No	· ·		NFPA' / /	USDOT#	MCP Min

= Inven		)4 ====			cility Unit: M	= Sit  obile	eID: Cont	019-005-00 ainers on	06148 : Site :
CASTIN								Days On S	Site
	tion within t 1-H & 1-M	this Fa	cility Uni	t				CAS#	
= STATE	TYPE — Mixture	PR Ambi			EMPERATURE mbient	Вох	CONTA	INER TYPE	
Lar	gest Containe <b>70</b>	er LBS		ly i	THIS LOCATION Maximum 0000.00 LBS		Dail	y Average 6000.00	LBS
%Wt.	CASTING WAX	— HAZ	ARDOUS COM	PONI	ents <del> </del>		EHS No	CAS#	0
TSecret No	EHS BioHaz	Radioa No/	HAZARI ctive/Amou Curie	nt	SSESSMENTS <del></del>   EPA Hazards	NF /	PA / /	USDOT#	MCP UnR
CHEM-R Loca	tory Item 000 ON NAME / CHE EZ <del>244</del> <i>LA</i> tion within t 1-F & Y-B		REPLACE	5	244 MATERIA		Cont	Days On S 365 CAS#	
STATE Liquid	TYPE Mixture	PRI Ambi	ESSURE ==== ent		EMPERATURE ————————————————————————————————————		CONTA l dru	INER TYPE	
Lar	gest Containe	r LBS		Ly N	THIS LOCATION Maximum 2500.00 LBS		Dail	y Average 700.00	LBS
5.00	Furfuryl Alc Phenol (EPA) Formaldehyde	ohol:	ARDOUS COMI	PONE	ents <del></del>		EHS No Yes Yes	CAS#	98000 108952 50000
TSecret No	EHS BioHaz No No	Radioad No/	HAZARI ctive/Amour Curie	ıt	SSESSMENTS === EPA Hazards	NF	PA / /	USDOT#	MCP Mod
15-20	FATTY ACID RESORCINOL					CAS TRADE	# Secas	·y-	
						108-	44-3		1
2	METHYL ALC	OHOL		-6-	_	67-5		06/	11/1991
5-10	WATER			J -		1732-1	18-5	00/-	

.

= Inven	tory	Item 0	023 ====	co	Fa	cility Unit: 1	= Sit Mobile	e Cont	019-005-0 ainers on	06148 Site
ARGON				NAME					/Days On 365	Site
				LEANING ARE		\			CAS#	
Gas		TYPE =		ESSURE ==== e Ambient		EMPERATURE === mbient			INER TYPE Portable	
<b></b>	•					THIS LOCATION				
Lar		Contai CF	ner FT3	Dail	-	Maximum 4032.00 FT3		Dail	y Average 2500.00	FT3
	<del></del>		HAZ?	ARDOUS COME	ON	ents ———				· · · · · · · · · · · · · · · · · · ·
%Wt. 100.00	Arg	on	· •					EHS No	CAS# 7	440371
		T		— HAZARI	A	SSESSMENTS ===				<u> </u>
TSecret No	EHS No	BioHaz No	Radioad No/	ctive/Amour Curie		EPA Hazards P IH		PA //	USDOT#	MCP Min
					Fac	cilitý Unit: N	Mobile	e Cont	ainers on	Site
CARBON	DIO	XIDE	HEMICAL N			Î			Days On 365	Site
			NSPECTION	cility Unit N AREA					CAS# 1243	
= STATE	<del></del>	TYPE =	PRE	ESSURE —	= TI	EMPERATURE =		CONTA	INER TYPE	
Gas '		Pure	Above	Ambient	Ar	mbient	Cyli	.nder,	Portable	Press
				= AMOIINTS A	(T) -	THIS LOCATION				
Lar	_	Contain 50 cF	ner FT3			Maximum 500.00 FT3		Dail	y Average 200.00	FT3
			HAZA	RDOUS COMP	ONI	ENTS =				
%Wt. 100.00	Carl	oon Diox						EHS No	CAS#	124389
	1			— HAZARI	) AS	SSESSMENTS ===				
TSecret No	EHS No	BioHaz No	Radioac No/	tive/Amoun Curie	ıt	EPA Hazards P IH	1	'PA / /	USDOT#	MCP Low

F MODERN	F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :  F Inventory Item 0003 Facility Unit: Mobile Containers on Site:									
Inven	tory	Item 0	003 <del></del>	NAME ====	Fa	cility Unit: M	obile	Cont	ainers on	Site
903 IN	VEST	MENT		cility Unit				`	Days On 3	Site
			L OF BLD		<b>.</b>	-		-	CAS#	
= STATE		TYPE =	PRI	ZSSIIRE ===	= T	EMPERATURE ===		CONTRA	INER TYPE	
		Mixture				mbient	Bag	·		
Lar	gest	Contai			Ly i	THIS LOCATION Maximum 2000.00 LBS		Dail	y Average 300.00	LBS
			HAZA	ARDOUS COME	ON	ENTS —		,		
		ica, Cr	ystalline lfate	<b>.</b>				EHS No No		631869 778189
	<del></del>			— HAZARI	) A	SSESSMENTS -				
TSecret No	EHS No	BioHaz <b>N</b> o	Radioad No/	ctive/Amour Curie		EPA Hazards	NF	PA / /	USDOT#	MCP Min
	ON N		022 <del></del>		Fac	cility Unit: M	obile	Cont	ainers on Days On S	
		within	this Fac	cility Unit	•				365	erice
				DEPT AREA		•			CAS#	
= STATE	=	TYPE =	PRE	ESSURE —	= <b>T</b> I	EMPERATURE =	(	CONTA	INER TYPE	
Gas	1	Mixture	Above	Ambient	Ar	mbient			Portable	
<del></del>	<del> </del>		· · · · · · · · · · · · · · · · · · ·	= AMOUNTS A	T.	THIS LOCATION		· · · · · · · · · · · · · · · · · · ·		
Lar	gest <b>335</b>	Contain CF	ner FT3			Maximum 335.00 FT3		Dail	y Average 100.00	FT3
	<del>                                     </del>		—— HAZA	ARDOUS COMP	ONE	ents <del></del>		<del></del>	· · · · · · · · · · · · · · · · · · ·	
%Wt. 100.00	Acet	ylene					<u>.</u>	EHS No	CAS#	74862
				— HAZARD	) AS	SSESSMENTS =				
TSecret No	ehs No	BioHaz No	Radioac No/	tive/Amoun Curie	ıt	EPA Hazards F P IH	NFI / /	PA / /	USDOT#	MCP Hi

F MODERN PATTERN & FOUNDRY ( Inventory Item 0001 ——	Fa	cility Unit: M	= Site Obile	eID: Cont	019-005-0 ainers on	06148 Site
COMMON NAME / CHEMICAL I					Days On 365	Site
Location within this Fac Y, A -SW CORNER OF OPEN Y		;			CAS# 71556	
STATE TYPE PRILIPING Ambie		EMPERATURE mbient		CONTA l dru		
Largest Container 55 GAL		THIS LOCATION Maximum 65.00 GAL		Dail	y Average 30.00	
%Wt. 99.00 1,1,1-Trichloroetha	ARDOUS COMPON	ENTS —		EHS No	CAS#	71556
TSecret EHS BioHaz Radioad	HAZARD A ctive/Amount Curies	SSESSMENTS ===   EPA Hazards	NFI //	PA / /	USDOT#	MCP Low
= Inventory Item 0002 =================================	NAME Fac	cility Unit: M	Obile	Cont	ainers on	Site:
601 INVESTMENT  Location within this Fac					Days On 8 365	Site
#1, A - NORTH WALL OF BLDO					CAS# 7631869	
STATE TYPE PRE		EMPERATURE ——	Bag	CONTA	INER TYPE	
Largest Container /00 LBS	Daily N	THIS LOCATION : Maximum 2000.00 LBS		Dail	y Average 300.00	
%Wt. HAZA	ARDOUS COMPONE	ents ———		EHS	CAS#	
60.00 Silica, Crystalline 40.00 Calcium Sulfate	2			No No	76	531869 778189
TSecret EHS BioHaz Radioac	HAZARD AStive/Amount	SESSMENTS ===	37777		TIODOE!	VCD
No No No No/	Curies	EPA Hazards	NFF		USDOT#	MCP Min

F MODERN PATTERN & FOUNDRY CO. \_\_\_\_\_\_ SiteID: 019-005-006148 = Hazmat Inventory \_\_\_\_\_ By Facility Unit = Alphabetical Order \_\_\_\_\_ Mobile Containers on Site =

· · · · · · · · · · · · · · · · · · ·							
Hazmat Common Name	SpecHaz	EPA	Hazard	ls Frm	DailyMax	Unit	MCP
111-TRICHLOROETHANE	<del></del>	•		L	65	GAL	Low
601 INVESTMENT				•	2000	LBS	Min
903 INVESTMENT					2000	LBS	Min
ACETYLENE		F	H	G	335	FT3	Hi
ARGON		I	H	G	4032	FT3	Min
CARBON DIOXIDE	•	J	H	G	500	FT3	Low
CASTING WAX	44 mc 0 . 0.1				10000	LBS	UnR
CASTING WAX CHEM-REZ 244 — SEE REPLACEMENT	MATERIAL			L	2500	LBS	Mod
CHEM-REZ CATALYST					1000	LBS	UnR
DUROC	•		•		200	LBS	Min
FERRO CHROME LC LUMP				L	8000	LBS	Min
FERRO SILICON ALLOYS				S	10000	LBS	Min
FUSED SILICA				S	22000	LBS	UnR
ISOPROPYL ALCOHOL		F	ΙΗ	L	55	GAL	UnR
LOW CARBON IRON				S	12000	LBS	Low
MOLYBDENUM					200	LBS	Min
MURIATIC ACID				L .	40	GAL	UnR
NICKEL				S	1200	LBS	Min
NITROGEN		I		G	690	FT3	Low
DXYGEN		E	D	H G	1124	FT3	UnR
PEP SET (BINDER)				L		GAL	UnR
RESIN COATED SAND					5000	LBS	UnR
SIMPLOT SILICA SAND				s	23000	LBS	UnR
STAINLESS STEEL SCRAP				S	40000		Min
ZIP SLIP				${f L}$	20	GAL	Min
ZIP STIK				· L	20	GAL	Min

#### CITY OF VERNON, HAZARDOUS MATERIALS INVENTORY REPORT

CITI OF VERNON, HAZARDOUS	MATERIALS INVENTORY REPORT
MODERN PATTERN & FOUNDRY CO.	SiteID: 019-005-006148 =
Operator: Location: 5610 ALCOA AV City : VERNON	BusPhone: (213) 583-4921 Map: CommHaz: UnRated Grid: FacUnits: 1 AOV:
CommCode: District 2 EPA Numb:	SIC Code:3325 DunnBrad:00-837-9828
Emergency Contact / Title ROLAND B. MECKEL / PRESIDENT Business Phone: (213) 583-4921x 24-Hour Phone: FX-6 Personal Privacy Pager Phone : ( ) - x	Emergency Contact / Title RAFAEL G ONZALEZ / SHOP SUPT Business Phone: (213) 583-4921x 24-Hour Phone: FX-6 Personal Privacy Pager Phone : ( ) - x
Hazmat Hazards:	Fire Press ImmHlth DelHlth
Contact: MailAddr: 5610 ALCOA AV City : VERNON	Phone: (213) 583-4921x State: CA Zip : 90058
Propownr ROLAND B. MECKEL Address: 5610 ALCOA AV City: VERNON	Phone: (213) 583-4921x State: CA Zip : 90058-3793
Period : to Preparer: Certif'd:	TotalASTs: = Gal TotalUSTs: = Gal EHSs: No
Miscellaneous Information	
TAME CORRECT	STEDPOSTED
GONZALEZ	KECEIVED
·	JUL 17 1997
	HEALTH DEPARTMENT
MAXIMUM CONTAINER DATA ENTERED	DATE:
DATA ENTERED	Reviewed By: 7/23/97
	Posted By:
-1	06/11/1997

				•				
02-021	ZIP STIK				?	LIQUID	20 I GAL	Minimal
	CAS #:		Trade Se	ecret: No				
	Form: Unk	nown Type	: Unknown	Days: 365	Use	•		-
	—— Dail	y Max GAL 20.0	<u> </u>	aily Average	GAL 8.00		ual Amou	nt GAL — 240.00
	St Can - 5 c	orage ——— gallons or	Press les Ambie	s Temp nt Ambient #	1, G	-CENTRAL	cation — SECTION (	OF BLDG.
	55.0%	Aluminum S Silicon Di Acetone	.oxide	Componen  Nyl Porymer  14808-60-	96 -7	203-20-7	MCP Minima Minima Modera	al 31 al 7

02-019	STAINLESS STEEL SCRA	/b	?	SOLID	40000 LBS	Minimal
	CAS #:	Trade Secret: No				
	Form: Unknown Type:	Unknown Days: 365	Use	<b>!</b>		
٠	Daily Max LBS - 40,000.00	Daily Average	LBS	Anr	iual Amo 48	ount LBS -
	Steel drum	Press Temp Ambient (	245)	2-C	cation	
	- Conc 45.0%   Iron 36.0%   Nickel 27.0%   Chromium	7439-89-6 7148-62-0 7446-89-6	ts —			
02-020	ZIP SLIP		?	POWDER	20 GAL	Minimal
	CAS #:	Trade Secret: No				•
	Form: Unknown Type:	Unknown Days: 365	Use:			
	Daily Max GAL - 20.00		GAL 8.00	Ann	ual Amo	unt GAL — 240.00
	Can - 5 gallons or 1	Press Temp es Ambient #	1, G	-CENTRAL	cation SECTION	OF BLDG.
	- Conc 5.0% Silicon 80.0% Heptane 10.0% Aluminum	Componen 7440-21-3 142-82-5 7429-90-5	ts —		Minimode:	4

02-017	RESIN COATED SAND ►	Solid SAND	5000 Unrated LBS
·	CAS #: Trade Secret:	No	
	Form: Solid Type: Pure Days:	365 Use:	
•	Daily Max LBS Daily Av	erage LBS Ann 2,000.00	nual Amount LBS — 60,000.00
	Bag Storage Press Tem	ent #1, D - CENTER	
	1.0% Phenol (EPA) /8	ponents	MCP Guide Moderate 55 Minimal 7
02-018	SIMPLOT SILICA SAND	? SAND	23000 Unrated
	CAS #: Trade Secret:	No	
	Form: Unknown Type: Unknown Days:	365 Use:	
	Daily Max Daily Av	- <del> </del>	nual Amount 8,395,000.00
•	Bag Storage Press Tem Ambient Ambi	ent   #1, D - CENTER	
	- Conc - Com	ponents	MCP Guide Minimal 7

02-015	NICKEL ▶			Solid	1200 LBS	Minimal
	CAS #:	Trade	e Secret: No			
	Form: Solid	Type: Pure	Days: 365	Use:		
	Daily	Max LBS	- Daily Average 60	E LBS — Ar	nnual Amo 1	unt LBS — 4,400.00
	Steel drum		ress - Temp		Location VALL OF B	
	3.0% Ni	ckel ckel Oxide baltous Oxide	Componer 1740-62-0 1313-99-1 1307-96-6	nts	MC Mini Mini Mini	mal 37
02-016	PEP SET (BI)  CAS #	Nor	ONGER USED  STORED 6  Secret: No \	Liquid -30-94	125	Unrated
	Form: Liquio		Days: 365	Use:	•	
	— Daily	125.00		50.00		unt 5,625.00
	Steel drum		ess Temp Dient Ambient	1, F CENTER	ocation - R SECTION	OF BLDG.
		rmaldehyde (EPA Froleum Distill		\	High Mode	29

8

#### MODERN PATTERN & FOUNDRY CO. 019-005-006148 02 - Fixed Containers on Site

02~013	MOLYBDENUM ►	?	SOLID	200 Minimal LBS		
	CAS #: Trade Secret:	No ·				
	Form: Unknown Type: Unknown Days:	365 Use:	:	•		
	Daily Max LBS Daily Av	erage LBS 70.00	Annı	aal Amount LBS — 2,400.00		
	Box Storage Press Tem	p   ent #2, B	-NORTH WAI	Cation ————————————————————————————————————		
	- Conc - Com 55.0%   Molybdenum		· · · · · · · · · · · · · · · · · · ·	MCP Guide Minimal 1 Minimal 32 Minimal 32		
02-014	MURIATIC ACID	Lic	quid	40 Unrated		
	CAS #: Trade Secret:	No				
	Form: Liquid Type: Pure Days:	365 Use:	:	•		
	Daily Max GAL Daily Av	erage GAL 20.00	Annt	aal Amount GAL — 480.00		
	Steel drum   Press   Temp   Location   Location   Steel drum   Ambient   Ambient   Y, A -SW CORNER OF OPEN YARD					
	- Conc - Com 99.0% Hydrogen Chloride 7647	ponents — -01-0		MCP Guide		

02-011	ISOPROPYL ALCOHOL Fire, Immed Hlth	Liquid	55 Unrated GAL
	CAS #: Trade	e Secret: No	
	Form: Liquid Type: Pure	Days: 365 Use: 👵	•
	Daily Max GAL 55.00	Daily Average GAL 30.00	Annual Amount GAL — 660.00
	Steel drum Amb	ress Temp OPEN YARD, SECT. A	- Location
	- Conc   Isopropyl Alcohol	Components	MCP — Guide   Moderate   26
02-012	LOW CARBON IRON	? SOL1.	D 12000 Low
•	CAS #: Trade	Secret: No	
•	Form: Unknown Type: Unknown	wn Days: 365 Use:	
	Daily Max LBS - 12,000.00	Daily Average LBS 5,000.00	Annual Amount LBS — 144,000.00
	Storage Pr	ess Temp ient Ambient (246) 2-B	Location —
	- Conc 19.096.0% Iron 1.0 2.0% Manganese 0.0% Carbon, Reactive	7439-89-6 7439-96-5	MCP — Guide Minimal 32 Low 1 Minimal 32

02-009	FERRO SILICON ALLOYS		Dust	10000 Minimal LBS
	CAS #:	Trade Secret: No		
	Form: Dust Type:	Pure Days: 365	Use:	·: .
٠.	—— Daily Max LBS — 10,000.00	Daily Average	LBS	Annual Amount LBS — 120,000.00
	Steel drum	Press Temp Ambient Ambient (	275) 2-B	- Location
	- Conc 90.0%   Silicon 0.0%   Iron	7440 - 21-3 7439 - 89-6	nts ———	MCP Guide Minimal 32 Minimal 32
02-010	FUSED SILICA		? SAND	22000 Unrated LBS
	CAS #:	Trade Secret: No		
	Form: Unknown Type:	Unknown Days: 365	Use:	
	Daily Max LBS 22,000.00	Daily Average	LBS —	Annual Amount LBS — 264,000.00
	Storage Bag	Press Temp Ambient Ambient #	1, H - NOR	- Location
,	- Conc   Silica, Crys	componer 7631-8	_	MCP — Guide Minimal 7

			<del></del>		
02-007	DUROC >	?	SALT	200 LBS	Minimal
	CAS #: Trade Secret: No	) .			,, <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>
£ 1	Form: Unknown Type: Unknown Days: 3	65 Use:	Ţ+		٠.
	Daily Max LBS Daily Aver	rage LBS 125.00	Ann		nt LBS — 2,400.00
	Box Storage Press Temp Ambient Ambien			cation -	
	- Conc — Compo 90.0%   Calcium Sulfate   7/7 10.0%   Silica, Crystalline   7/8	onents — 18-18-9 11 - 86-9		Minin Minin	nal 7
02-008	FERRO CHROME LC LUMP		uid- LID	8000 LBS	Minimal.
	CAS #: Trade Secret: No	)			
	Form: Liquid Type: Pure Days: 3	65 Use:			
	Daily Max LBS Daily Aver		Ann		nt LBS — 5,000.00
	Steel drum Press Temp Ambient Ambien	t (215)		cation -	
	- Conc Composition 7440-41-3 0.0% Iron 7439-89-6	nents —		MCI Minin Minin	nal 53

#### 019-005-006148 MODERN PATTERN & FOUNDRY CO. 02 - Fixed Containers on Site

02-005	CHEM-REZ <del>244</del> ▶	•	Liquid	2500 Moderate LBS
·.	CAS #:	Trade Secret: }	to YES	
	Form: Liquid Type:	Pure Days:	365 Use:	
٠.	Daily Max LBS - 2,500.00	Daily Ave	erage LBS — Ann 700.00 Ann	nual Amount LBS — 30,000.00
	Steel drum	Press Temp	Lo ent (120) 1-F & Y-F	ocation ————————————————————————————————————
	- X-4 CBI/		Secret	MCP Guide Moderate 55 Moderate 55 High 29
02-006	CHEM-REZ CATALYST		? Llaurd	1000 Unrated LBS
	CAS #:	Trade Secret: N	10	
	Form: Unknown Type:	Unknown Days:	365 Use:	
	Daily Max LBS -		erage LBS — Ann 400.00	nual Amount LBS — 12,000.00
	Steel drum		Lo ent (122) 1-F & Y-E	
	- Conc Sulfonic Ac INORGANIC A	ids 🦚	oonents 98-11-3 7664-93-9	MCP Guide Moderate 1 Unrated 0
	30.0 WATER	•	1732-18-5	•

3

#### MODERN PATTERN & FOUNDRY CO. 019-005-006148 02 - Fixed Containers on Site

#### Hazmat Inventory Detail in Reference Number Order

02-003	903 INVESTMENT	?	SAND	2000 LBS	Minimal
	CAS #: Trade Secret: No				
	Form: Unknown Type: Unknown Days: 3	65 Use	<b>:</b> 44		· · · · · · · · · · · · · · · · · · ·
	Daily Max LBS Daily Average 2,000.00	age LBS 300.00			ount LBS -
	Bag Storage Press Temp Ambient Ambient	t #1, A	- NORTH	Location WALL OF	BLDG. #1
	- Conc Compose 60.0% Silica, Crystalline 763 40.0% Calcium Sulfate 777	nents — 31-86-9 18—18-9		Mini Mini	
02-004	CASTING WAX	?	WAX	10000 LBS	Unrated
	CAS #: Nove Trade Secret: No		0011.0.1		
	Form: Unknown Type: Unknown Days: 36	55 Vse	<b>:</b>	•	•
	Daily Max LBS Daily Avera				unt LBS 0,000.00
	Box Storage Press Temp - Ambient Ambient		1-H & 1-		,
V	- Conc Compor	nents -		Unra	

Jeed Components

Page

.

MODERN PATTERN & FOUNDRY CO. 019-005-00614RECEIVED

Overall Site with 1 Fac. Unit

AUG 0 1 1994

General Information

HEALTH AND ENVIRONMENTAL CONTROL SECTION

Location: 5610 ALCOA AV  City:  Contact Name Title  ROLAND B. MECKEL / PRESIDENT Business Phone: (213) 583-4921x 24-Hour Phone: FX-6 Personal Privacy Pager Phone: () - x  Map: Hazard: Unrate F/U: 1 AOV:  Contact Name Title  Wight FRAUSTD / Sign-Yapyx 24-Hour Phone: FX-6 Personal Privacy Pager Phone: (2/3) 553-4921x 24-Hour Phone: Pager Phone: FX-6 Personal Privacy Pager Phone: (2/3) 553-4921x 24-Hour Phone: Pager Phone: FX-6 Personal Privacy City: VERNON Comm Code: 0/9-003  Owner: Roland 8, Meckel Address: City: FX-6 Personal Privacy  State: CA Zip: 90058-379 State: CA Zip: 90058-379 State: CA Zip: 90058-3793  Summary  DATE:						,	
ROLAND B. MECKEL / PRESIDENT Business Phone: (213) 583-4921x 24-Hour Phone: FX-6 Personal Privacy Pager Phone: () - x  Mail Addrs: 5610 ALCOA AV City: VERNON Comm Code: 0/9-003  Owner: Address: City: FX-6 Personal Privacy Address: City: FX-6 Personal Privacy State: CA Zip: 90058-37 SIC Code: 3325  Phone: (2/3) 573-4921x  Phone: (2/3) 573-4921x  State: CA Zip: 90058-37 Sic Code: 3325  Phone: (2/3) 573-4921x  Phone: (2/3) 573-4921x  State: CA Zip: 90058-37		LCOA AV		-			
Mail Addrs: 5610 ALCOA AV City: VERNON Comm Code: 0/9-003  Owner: Address: City: Phone: (2/3)573 -49 City: Summary  Mail Addrs: 5610 ALCOA AV D&B Number: 100813 State: CA Zip: 90058-37 SIC Code: 3325  Phone: (2/3)573 -49 State: CA Zip: 90058 - 3793	ROLAND B. MECKEL Business Phone: 24-Hour Phone:	/ PRESIDENT (213) 583-4921x FX-6 Personal Privacy	" Juan Busines 24-Hour	FRAUSTD s Phone: ( Phone : F	/ 11 5/ 2/3) <b>5</b> 53	top Supt -4921x	
City: VERNON Comm Code: 0/9-003  Owner: Roland B. Meckel Address: City: FX-6 Personal Privacy Summary  State: CA Zip: 90058-37 SIC Code: 3325  Phone: (2/3)573 -49 State: CA SIC Code: 3325  Phone: (2/3)573 -49 State: CA Sic Code: 3325		Admini	strative Data				
Address: City: FX-6 Personal Privacy State: CA Zip: 90058 - 3793	City: VERN	ON		State: CA	Zip: 9	0058-37	93
POSTED	Address: =X-	8. <i>Meckel</i> 6 Personal Priv	acy	Stat	te: CA		1921
DATE:	Summary		POSTE	)			
						DATE:	
Reviewed By.				Reviewe	d-By.		<del></del>
•						,	
Posted Ry:				pasted	Ry:		

2

# 06/08/94 CITY OF VERNON, HAZARDOUS MATERIALS INVENTORY REPORT

### MODERN PATTERN & FOUNDRY CO. 019-005-006148 02 - Fixed Containers on Site

02-001	111-TRICHLOROETHANE	Liquid	65 Low GAL
	CAS #: 71-55-6 Trade Secret: No		
•	Form: Liquid Type: Pure Days: 30	65 Use:	
	—— Daily Max GAL ——— Daily Avera	age GAL — Ann 30.00	ual Amount GAL — 780.00
	Steel drum   Press   Temp   Steel drum   Ambient   Ambient	t Y, A -SW CORNER	cation ————————————————————————————————————
	- Conc Component 99.0% 1,1,1-Trichloroethane	nents ————	MCP Guide Low 74
02-002	601 INVESTMENT	? SAND	2000 Minimal LBS
	CAS #: Trade Secret: No		•
	Form: Unknown Type: Unknown Days: 3	65 Use:	
	Daily Max LBS — Daily Average 2,000.00	age LBS — Anr	nual Amount LBS — 24,000.00
	Bag   Press   Temp	t #1, A - NORTH W	ocation ————————————————————————————————————
	60.0%   Silica, Crystalline 7	nents	MCP Guide Minimal 7 Minimal 7

#### **CVHD 1996**

City of Vernon Health Department, Hazardous materials Control Program Official Inspection Report, Modern Pattern & Foundry, August 20, 1996



## HEALTH & ENVIRONMENTAL CONTROL 4305 SANTA FE AVE., VERNON, CA 9005 (213) 583-8811 – EXT. 233

# HAZARDOUS MATERIALS CONTROL PROGRAM OFFICIAL INSPECTION REPORT

BUSI	NESS NAME M. dev n	Pattern & Foundry DATE 8/20/96
ADDF	7ESS 5610 A10	· · · · · · · · · · · · · · · · · · ·
OWN	ER/OPERATOR	6148
		PHONE #
VOLU	IME CATEGORY A-B-C	SERVICE
	THE MARKED ITE	2199 - O I
•	THE MANKED HE	IS (CIRCLED) REPRESENT VIOLATIONS AND MUST BE CORRECTED AS FOLLOWS:
		CORRECTIVE ACTION
ĸШ	Complete fenced/bermed	1
FAC. SITE		2
.—	Surface paved	3
٦,	NFPA 704 signs posted	4 Property label all havandary waste
TERIAL	Extremely hazardous materials	6 Containers as to content and accumula
MATE		6 containers as to content and accumula
ΣI	Underground storage tanks	7 dates,
	Above ground tanks	8
	Compatible materials grouped Fire control provided	10 Provide secondary containment for all
HAZ. MAT. STORAGE	Proper aisle space provided	
N.Y.	Containers sound/closed	110 hazardonis materials/waste stored on und exterior premises.
₹ P	Inventory	L'is exterior premises.
	Adequate distance from property line	
<u>ш</u>	Proper signs posted	15, 14 of a laws as a law (
AST	Containers sound/closed	15 la Update business/contingency plan and 17 hazardous materials inventory as
7.E	Containers dated/labeled	17 hazardous muterials inventory as
HAZ, WASTE STORED	Compatible waste grouped	18 hecessary.
	Adequate construction	19
Z I	Single primary / 100%	20
Ş₹	Multiple primary / 150%	21
SECONDARY CONTAINMEN	Open to precipitation	22
က်ပြ	Approved removal system	23
	Compatible substances grouped	24
	Plan available on site	25 Rayers & C. A.
≿્ર	Notification phone no.'s	25 · Remove and property disposed of unidenti
	MSDS available to employees	27 hazardons waste container. (Provide documents)
RECORD EMERGENCY/ CONTINGENCY PLAN	Employee trained:	ation of discoult
	Handling chemicals	28 ation of disposition of waste).
βĚ	Emergency response	29 J. Wourde documentation of initial a of annu.
SS	Refresher training	(3) vetvecher training for employees with
ž	Manifests available	1 regards to the handling and anexperce
	Provision for H.W. removal	W32 VHORASE Worldwes for chamicals.
COM	MENTS:	
3.	N Y YOU	
· C	<del></del>	1/19/07/
	1 1	
_	·	
ECEIVE	ED BY (PRINT NAME):	(SIGNATURE)
NVIRO	NMENTAL HEATH SPECIALIST:	CACI THES
	ection date! Of the	Lasjan, R.E.H.S.
	30 day 5	

# **CVHD 2002**

City of Vernon Health Department, Official Notice of Violation, September 25, 2002

# CITY OF VERNON HEALTH DEPARTMENT





# **OF VIOLATION**

4305 S. Santa Fe Avenue Vernon, CA 90058 (323) 583-8811

(TO:	DATE OF ISSUE:
Modein Pattern + Foundry	9/25/02
	COMPLIANCE DATÉ:
5610 Alcoa Aug., Vernon, CA 90058	AT ONCO
	health yernit
(A 579), This amount includes two roads	penaltie.
abatel	
(19/18/0CB)	
VIOLATION: 💆 Vernon City Code 🗖 CA Health & Safety Code	Other
RECEIVED BY X JOHN MECKEL TITLE V.P.	PHONE (323) 583-4921
SIGNATURE David 1, Duff	Di 2 SM
	02/0

#### **CVHD 2009**

City of Vernon Health Department, Plant History Record of Modern Pattern and Foundry Co., entries dated April 3, 1991 to November 4, 2009

## MISSING ITEM(S)

Original document from Federal Records Center did not include this reference to PA report (CVHD 2009) and it was therefore unable to be scanned

#### **CVHD 2008**

City of Vernon Health Department, Consolidated Contingency Plan form, Modern Pattern & foundry Co. Inc., July 18, 2008

of Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IC: CONSOLIDATED CONTINGENCY PLAN FORM

### RECEIVED

JUL 1 8 2008

### **COVER PAGE**

BUSINESS NAME MODERN PATTERN & FO	ownery co INC.	3	FACILITY ID # 1
SITE ADDRESS 5610 ALLOA AVE	400   0	, 104	ZIP CODE 105

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 And 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your-facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page. \*\*-

PROGRAMS	SECTION(S) TO BE COMPLETED				
Hazardous Materials Business Plan (HMBP)	Cover Page, Part I, and Site Map(s)				
Hazardous Waste Generator (HWG)	Cover Page, Part I, and Site Map(s)				
Underground Storage Tank (UST)	Cover Page, Parts I and II, and Site Map(s)				
HMBP, HWG, UST	Cover Page, Parts I and II, and Site Map(s)				

A copy of the plan shall be submitted to the City of Vernon Health Department and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

PLAN	I CERTIFICATION
I certify under penalty of law that I have personally earn to the best of my knowledge the information is according to the information of the law to the l	xamined and I am familiar with the information provided by this plan
Printed Name of Owner/ Operator	Title of Owner/Operator VICE PRESIDENT
Signature of Owner/ Operator X	Date
JOHN MELKEL	7/15/08

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact the Dity of Vernon Health Department.

Reviewed By: 4/2/09/60

Posted By: 65 14-2-09

# City of Vernon -Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section 1A: BUSINESS ACTIVITIES FORM

							Page 1 of					
	I. FACILITY IDENT	TETCAT	ION				· · · · · · · · · · · · · · · · · · ·					
FACILITY ID # (Agency Use Only)			1	EPA ID	# (Hazar	rdous Wast	e Only)	<del></del>				
BUSINESS NAME (Same as Facility Na	me or DBA-Doing Business As)	EEN PA	ATTER	115	WOV	24 10	Ink.					
		acy jn	77 2700	700			ESS SITE ADD	ORESS 3				
		<del></del>			104		ZIP CODE	103				
BUSINESS SITE CITY						CA	105					
· · · · · · · · · · · · · · · · · · ·	II. ACTIVITIES DEC	LARATI	ION									
NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.												
Does you	ur facility						f the UPCF					
A. HAZARDOUS MATERIALS		,										
quantities for which an emergency pla 30, 40 or 70?	s for solids, or 200 cubic feet for ASTs and USTs); or the applicable emely hazardous substance specified in	YES X	ои 🗆	<b>4</b>	INVE	ARDOUS I ENTORY – CRIPTION	MATERIALS CHEMICAL					
B. REGULATED SUBSTANCES						<del></del>						
Have Regulated Substances stored ons threshold quantities established by the prevention Program (CalARP)?	California Accidental Release	☐ YES	. ⊠″ ио	4a	requir ?Regu	rement, con	izardous Materi nplete: iance Registrati int Plan (if requ	on				
C. UNDERGROUND STORAGE TA		` _	-		UST I	FACILITY	(Formerly SWRCB	Form				
Own or operate underground storage (		☐ YES	NO IX	5	UST T	TANK (one	page per tank) (Forn	nerly				
D. ABOVEGROUND PETROLEUM Store new or used petroleum products with a total capacity of 1,320 gallons of	in aboveground tanks or containers	☐ YES	o√ NO	8		ORM REQ	UIRED					
E. HAZARDOUS WASTE Generate hazardous waste?		☐ YES	M NO	9	EPA 1	D NUMBI	ER – provide at	the				
Recycle more than 100 kg/month of exmaterials (per HSC 25143.2)?	ccluded or exempted recyclable	☐ YES	DX NO	10	RECY	this page CLABLE	MATERIALS					
Treat hazardous waste on-site?		-			REPO	RT (one per	recycler)	-				
Treatment subject to financial assurance	e requirements (for Descrit h. Dul-	☐ YES	Ø NO	11	ON-SI	TMENT – TE HAZA	RDOUS WAST FACILITY RDOUS WAST UNIT (one page	re i				
and Conditional Authorization)?	o requirements (for Permit by Rine	□ VE	Ø NO		CERT	IFICATIO	OF FINANC	IAI.				
Consolidate hazardous waste generated	at a remote cite?		EX NO	12	ASSU	RANCE						
		☐ YES	NO X	13	CONS	TE WAST OLIDATION	IN SITE ANNU	JAL				
Need to report the closure/removal of a hazardous waste and cleaned on-site?	a tank that was classified as	☐ YES	D NO	~ <b>14</b>	HAZA	RDOUS W	ASTE TANK					
Generate in any single calendar month or more of federal RCRA hazardous wastendar month, or accumulate at any tracute hazardous waste; or generate or a kg (220 pounds) of spill cleanup materihazardous waste.	aste, or generate in any single ime, 1 kg (2.2 pounds) of RCRA ccumulate at any time more than 100	☐ YES	ы ио	14a	Obtain Biennia 13A/B)	federal EP al Report (I ), and satis	A ID Number, EPA Form 8700 Ty requirements ntity Generator	0- s for				
Household Hazardous Waste (HHW) C	ollection site?	☐ YES	NO X	14b	Contac	t Vernon H	ealth Departme	ent.				
· · · — — · · · · · · · · · · · · · · ·			<u> </u>					1				



#### City of Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058

### BUSINESS OWNER/OPERATOR IDENTIFICATION FORM

		<del></del>								Page of
		I.	IDENTI	FICA	MOIT					
FACILITY ID#					I BEGI	NNING E	PATE	00 EN	DING DATE	101
BUSINESS NAME (Same as FACIL	_	•	<del></del>	<del></del>			3 BUSIN	ESS PHO	ONE	
MODER BUSINESS SITE ADDRESS	N PATTERN	1 & FOUND	pay	20.	INC	<u></u>	103 BUSIN	323	583~	4921
							TOOM4	ESS FAX 3 23/	•	2512
BUSINESS SITE CITY					104	T G 4	ZIP CODE	1	583-8 5 COUNTY	7/2
Vernon DUN & BRADSTREET	<u> </u>					CA			Los Angele	
DON & BRADSIREEI						106	PRIMARY SIG	C 1	PRIMARY 1	VAICS
BUSINESS MAILING ADDRES	5 5610 AL	COA AVE					,		<u></u>	
BUSINESS MAILING CITY	VERNON					1085	STATE	108c ZI	PCODE	
BUSINESS OPERATOR NAME	ROLAND Y	MENUEL				109	BUSINESS OF	ERATO	R PHONE	
	100/100/		BUSINE	22 O	WNFD		323	- 58	3-4921	· · · · · ·
OWNER NAME					**************************************	· 111	OWNER PHO	NF		
· 1202	LAND ME	KEL					OWNER THO	.11.5	*1	
OWNER MAILING ADDRESS OWNER MAILING CITY	SOID AL	COA AVE	,							
OWNER MAILING GITT	VERNON					114	STATE	115 ZI	90058	
		III. ENVI	RONME	NTA	L CON	ГАСТ				
CONTACT NAME						117 .	CONTACT PH	ONE		
CONTACT MAILING ADDRESS	S		<u></u>			119	CONTACT EM	[A]L		
CONTACT MAILING CITY	-					120	STATE	121 ZII	PCODE	,
-PRIMAR	Y-	IV.	. EMER	GENO	CY CON	TACTS	3	[	-SECONDAR	
NAME ROLAND !	MECKEL.			123	NAME		Laure me		·	
	PRESIDEN	7		124	TITLE		land ME lice Pris		<u>-</u>	
RUSINESS PHONE	-583-492	<del></del>		125	BUSINE	SS PHON	E TES	Win.	/	·
24 LICITID DUCANTE	-6 Persona	****		126	24-HOUI	R PHONE	/ C D =			
PAGER #		,		127	PAGER A		6 Pe	ersc	nal Pi	ivac
ADDITIONAL LOCALLY COLL	ECTED INFORMATI	ON.	<del></del> .	<u>l</u>						
		.o.v.				÷				
Certification: Based on my inquiry familiar with the information subm	rice and penear me u	normanon is true,	aining the in accurate, a	nforma nd com	tion, I cer	tify under	penalty of law th	nat I have	e personally exam	ined and an
SIGNATURE OF OWNER/OPERATOR	OR DESIGNATED REP	PRESENTATIVE		DAT	Ë	134	NAME OF DOC	UMENT I	PREPARER	
NAME OF SIGNER (print)	form MELKE	2	136	TITI	E OF SIGN	VER	VILLE Pro	sike	<i>t</i>	
					<del></del>		<u>v</u> ,		- ,	

City of Vernon - Unified Program (CUPA) Agency

4305 S. Santa Fe Ave., Vernon, CA 90058
Section IC: CONSOLIDATED CONTINGENCY PLAN FORM Part I: BUSINESS PLAN and CONTINGENCY PLAN

PART I: BUSINESS PLAN AND CONTINGENCY PLAN

	I.		(DEMINERAL	KINDIK.						
BUSINESS NAME MODER	i -				3	FACILITY ID	#1			
SITE ADDRESS 5610 /	N PATTERN & A PLICA AVE.		103	CITY Vernon	104	ZIP CODE	105			
		The second second second second	NCY: CONTI	Total Control of the		7000				
PRIMA					ECONDARY					
NAME ROLAND ME	LKEL	123	NAME	/	MELKEL		128			
TITLE President		124	TITLE	Vice	President	•	129			
BUSINESS PHONE 323-6		125	BUSINESS F	323	3-583-492		130			
24-HOUR PHONE FX-6 Pe	rsonal Privacy	126	24-HOUR PH	IONE FX-	6 Personal F	Privacy	131			
	-614-6480	127	PAGER#		243-5304		132			
111.	ewergency he	8140048	SE PLANS/	AND PRO	XCHOURES					
	A.	No	tifications							
Your business is required by St hazardous material to local fire Emergency Services. If you ha	emergency response ve a release or threate	personn ened rele FIRE/F PHON	el, this Unified ease of hazard POLICE IE: 911	Program A lous materia	gency (CUPA), a als, <u>immediately</u> c	nd the Office o				
(CUPA) and the Office of Emerge City of Vernon CUPA: State Office of Emergency Serv National Response Center:	State Office of Emergency Service: (800) 852-7550 or (916) 262-1621									
	be provided during No				***					
	lame and the Telepho			=	illing.					
	address of the release				.90 _4_ \	•				
	ime, cause, and type of		, •		om etc.)					
	al and quantity of the re t condition of the facili		io the extent ki	IOWII.						
		ty.								
<ul> <li>Extent of injuries, if any.</li> <li>Possible hazards to public health and/ or the environment outside of the facility.</li> </ul>										
	B. E	merge	ency Medica	al Facility	1					
List the local emergency med threatened release of hazard	dical facility that will be used ous material	d by your l	business in the ev	ent of an accid		by a release or				
HOSPITAL/CLINIC: 9/	Vor Clinic	Tech	simed bes	PHO	ONE NO: 3) 584 605	59				
ADDRESS: 3364	F. Slause	in Ac	10							
CITY: VEK	V or Clinic F. Slause NON ex 90	1058	>	ZIP	CODE:	8 /				
	-									

#### Ci, of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IC: CONSOLIDATED CONTINGENCY PLAN FORM Part I: BUSINESS PLAN and CONTINGENCY PLAN

G. Emergency Procedures
Briefly describe your business standard operating procedures in the event of a release or threatened release of
hazardous materials:
1. PREVENTION (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials
present at your facility. What actions would your business take to prevent these hazards from occurring? You may
include a discussion of safety and storage procedures.
PROPER STORAGE
CHAINING
SECONDARY CONTAINMENT
2. MITIGATION (reduce the hazard) - Describe what is done to loss on the hazard are the domestic to record.)
(1900) The course what is done to lesself the halff of the damage to belson(s)
property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate
response to a leak, spill, fire, explosion, or airborne release at your business?
Droom
SAND
Tavels
"Dut
3. ABATEMENT (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you
handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?
CONTAIN AND CALL CONTRACTOR - LARGE SPILLS
CONTAIN AND ABSORTS - Dispose per Regulations

## City of Vernon - Unified Program (CUPA) Agency

### 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IC: CONSOLIDATED CONTINGENCY PLAN FORM Part II: UST EMERGENCY RESPONSE and MONITORING PLAN

<u>'</u>	EMERCENCARESEONSE REAN	
1. If an unauthorized release occurs, hazardou	is substances will be cleaned up by:	
RAFAEL GONZALEZ Vorm MELKEL	UNITED RUMBING SERVILE	
2. Agency notifications will be made as detaile responsible for Underground Storage Tanks (I regulations.	ed in Section I of the Contingency Plan, and USTs) shall be notified as required by sta	nd the local agency te and local laws and
Local UST Agency City of Vernon	Phone (323)583 - 8811	, **
3. The following persons are responsible for a	uthorizing work necessary under the resp	ponse plan:
Name ROLANO MECKEL	Title PRESIDENT	Phone 323-583-4921
Name JOHN MEUREL	Title V.P.	Phone 323-583-492/
Name  ROLAND MECKEL  Name  Name  RAFAEL GONZALEZ	Title V.P. Title PLANT MANAGER	Phone
Additional Persons		· .
4. The proposed methods and equipment to be substances and cleanup wastes are the follow SWEEPNE, SANK	e used for removing and properly dispositing:  O, CONTANIONO USING DIS	
5. The location and availability of the required	alconum equipment listed in item #4 is a	F-11-1-1-1
Clem-up ly viporent Noa		Tollows:
6. The maintenance schedule for the cleanup of Every months egulated the LAST Friday of a	equipment is as follows:  with is inspected  every math.	
7. Additional information:		

#### INTRODUCTION

#### **A. REPORTING POLICY**

1. Please use the forms provided. Only information submitted on forms from this CUPA form package or State forms will be accepted.

Note: If the State of California UPCF Form is used, we may request your business to provide additional locally collected information.

- 2. All forms may be photocopied if necessary. You also have the option of requesting electronic copies of the forms (Microsoft Word format) to complete for signing and submission.
- 3. Appropriate forms must bear an original signature(s).
- 4. Keep copies of your submitted documents for your records as proof of submission.
- 5. It is recommended that forms be sent via "Certified Mail" to ensure delivery by "Return Receipt".
- 6. Submit:all completed forms to:

7150

City of Vernon Health and Environmental Control Department 4305 S. Santa Fe Ave. Vernon, CA 90058

- 7. If you have any questions or need assistance, contact the City of Vernon Health Department at (323) 583-8811, extension 233, Monday through Thursday, 7 A.M. to 5:30 P.M.
- 8. Be advised that failure to submit required forms may result in fines, penalties and/or other administrative fees.

# City of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION FORM

Section Lia.			one page per materi		or area)		200		Page_	of
□ADD	C)DRI.			EVISE						
	1		FACILITY I	NFORM	IATIO	Ň				3
BUSINESS NAME (Sa	me as FACILITY NAME	or DBA - Doin	g Business As)	moon	ERNF	ATTERN &	f Fourth	my	<i>CO</i> .	202
CHEMICAL LOCATION	Blds. 1 BAY	1 & BAL	12	14,2	A 201	CHEMICAL EPCRA YES	] NO			204
FACILITY ID #					MAP	(optional)	203 (	FRID# (o)	ptional) F, 4F	204
		п. с	CHEMICAL	INFOR	MATIC	ON				
CHEMICAL NAME	1				205	TRADE SEC		_	Yes No	206
GOLGVON NAME	ALETYLE	VE:			207		ft Subject to 1		☐ Yes ☐ N	208
COMMON NAME					209	EHS*				
CAS#	74862				202	*If EHS is "	Yes", all ar	nounts be	low must be in li	os. 210
FIRE CODE HAZAR	O CLASSES (See pages 29 and	1 30 of this application	n)							
HAZARDOUS MATERL	AL Da. PURE DA	. MIXTURE C	] c. WASTE	211	RADIOA	CTIVE [] Yes	<b>1</b> /1/10	212	CURIES	213
PHYSICAL STATE (Check one item only)	🖸 a. SOLID 📵	b. LIQUID À	C. GAS	214	LARGES	T CONTAINER	33.	5		
FED HAZARD CATEGO (Check all that apply)		b. REACTIVE C	] c. PRESSURE	RELEASE	□ d. A	CUTE HEALTH	☐ e. CHI	RONIC HI	EALTH	216
AVERAGE DAILY AMO	4	MAXIMUM DAIL		218	ANNUA	L WASTE AMOU	NT 2	19 STA	TE WASTE CODE	220
	SALLON	335	GALLON	₩			721	DAYS	ON SITE:	222
UNITS* (Check one item only)	a. Gallons	*If EHS, amo	unt must be in po	unds.	d. TONS					
STORAGE CONTAINER   a.  b.	ABOVE GROUND TANK UNDERGROUND TANK	☐ e. PLASTIC/	NONMETALLIC	DRUM []	i. FIBER j. BAG		Morre Do	TILE []	q. RAIL CAR r. OTHER	
1	TANK INSIDE BUILDING	☐ g. CARBOY			IŁBOX ≠LCVII	□o. □ NDER _ iip. T	TOTE BIN ANK WAGO	N		223
	STEEL DRUM	C # SITO	OUT AMBIENT		<u> </u>	AMBIENT				224
STORAGE PRESSURE			OVE AMBIENT				☐ d. CRYÓ	GENIC	<u> </u>	225
STORAGE TEMPERAT			OVE AMBIENT			EHS			CAS#	<del></del>
1 /00 226	HAZARDOUS CO	ylere		·		ZYes □ No	228	74	862	229
2 230	17 661	great			231	☐ Yes ☐ No	232			233
					235	☐ Yes ☐ No	236			237
3 234			·							241
4 238					<del></del> -}-	Yes No	240	·		
5 242	!			S by wefate		Yes No	244 I sheets of pape	er capturin	the required informs	245
if more hazardous compon	ents are present at greater than l	% by weight if non-	carcinogenic, or 0.1	on any weight	u caryinoge	ung andto acomple				246
	:						<b>/</b>	, I	f EPCRA, Please	Sign Here
						<del>-</del>			····	

ΠADD	DELETE	(one page per material per build	and an experience	200		Pageo
		I. FACILITY INFO	RMATION			
BUSINESS NAME (Same as FA		· · · · · · · · · · · · · · · · · · ·		MITTERN & FOR	NACE	10. I.K.
HEMICAL LOCATION		777	18 23201	CHEMICAL LOCA EPCRA	TION CON	FIDENTIAL
$\mathcal{B}$	ldg. 1 By;	41 Bry#4'	3B	EPCRA  YES NO		
FACILITY ID #			1 MAP#	(optional) 203	GRID#	TF 76
		II. CHEMICAL INFO	RMATIO	N		
CHEMICAL NAME			205	TRADE SECRET	_	Yes No
COMMON NAME		-	207		1 to EPCRA, n	efer to instructions
AR	2-60N	,		EHS*		☐ Yes ☐ No
CAS#	7440371		209	*If EHS is "Yes", a	il amounts	below must be in lbs.
FIRE CODE HAZARD CLAS	SES (See pages 29 and 30 of this app	lication)				
HAZARDOUS MATERIAL			B 4 DVA 4 A	TREE COV c'MI	212	CURIES
TYPE (Check one item only)	2/2. PURE [] b. MIXTURE	E C WASTE 211	RADIUAC	TIVE 1 Yes 1000		
PHYSICAL STATE (Check one item only)	🗆 a. SOLID 🗆 b. LIQUID	214 c. GAS	LARGEST	CONTAINER	30	4
FED HAZARD CATEGORIES (Chock all that apply)	a. FIRE b. REACTIV	/E C c. PRESSURE RELEAS	E / [] d. AC	CUTE HEALTH   e.	CHRONIC I	EALTH
AVERAGE DAILY AMOUNT	217   MAXIMUM	DAILY AMOUNT 218	ANNUAL	WASTE AMOUNT	219 ST.	ATE WASTE CODE
300		690	<u></u>		ZI I DAYS	ON SITE:
UNITS* (Check one item only)	□ a. GALLONS □ b. CUI	BIC FEET c. POUNDS , amount must be in pounds.	🗘 d. TONS	•	- DAN	O14 01111.
STORAGE CONTAINER 2. ABOVE C	ROUND TANK   e. PLAS	STIC/NONMETALLIC DRUM	i. FIBER C	PRUM ☐ m. GLASS BC	TTLE []	q. RAIL CAR
☐ b. UNDERGI	ROUND TANK		☐ j. BAG ☐ k. BOX	o. TOTE BIN		I, OTHER
□ d. STEEL D			ZYL CYLIN	DER [] p. TANK WA	GON	
STORAGE PRESSURE	a. AMBIENT   I	a. ABOVE AMBIENT	c. BELOW A	MBIENT		
STORAGE TEMPERATURE	a AMBIENT b.	ABOVE AMBIENT	c. BELOW A	MBIENT [] d. CR	YOGENIC	
%WT HAZ	ARDOUS COMPONEN	T (For mixture or waste of	nly)	EHS		CAS#
1 /00 226	Argon		227	Yes [] No 228	74	140371
2. 230			231	Yes		
3 234			235	Yes □ No 236		
4 238		•	239	Yes 🗌 No 240		
5 242			ļ —	Yes   No 244		
if more hazardous components are pres	ent at greater than 1% by weight if	non-carcinogenic, or 0.1% by weigh	t if carcinogenic,	attach additional sheets of	paper capturio	g the required information.

# Vernon – Unified Program (CUPA) Agen 4305 S. Santa Fe Aye., Vernon, CA 90058

Section	ı IIA	: HAZ	ARDOU	IS MATERIALS	INVENTORY -	- CHEMICAL	DESCRIPTION FORM
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	HAZARDUU	(one have bet	material per building or are			200		Page	of `
□ADÐ	C☐DFII		□REVISE					4 486	· · · · · · · · · · · · · · · · · · ·
	,		TY INFORMAT	rion	·····				,
BUSINESS NAME (	Same as FACILITY NAME	or DBA - Doing Business	s As) MODERA	I PA	TTERN	& Four	way co	•	3
CHEMICAL LOCAT		. / 3		201			ON CONFIDE		202
	Blus. / BAY	1 1541/2	14,24	(A7)#	☐ YES (	NO 203	GRID# (optional		204
FACILITY ID #				AAR#	(optional)	2.05		4F	201
	[A742]	H CHEMIC	CAL INFORMA	TIO	N				
CHEMICAL NAME		II. CHEMIC	ZAL INFORMA	205	TRADE SE	TRET	☐ Ye	s D No	206
CHEWICAE NAME	ALETYLEN	IE .					o EPCRA, refer to in		
COMMON NAME				207	EHS*			res □ No	208
CAS#				209		· · ·			
	74862				*If EHS is "	Yes", all	amounts below	must be in lbs.	
FIRE CODE HAZAF	D CLASSES (See pages 29 and	30 of this application)							210
HAZARDOUS MATER	TAT.					<u></u>			213
TYPE (Check one item o		MIXTURE   c. WASTE	211 RAD	IOACI	TVE [] Yes	MW0	212 . CUR	1E2	215
PHYSICAL STATE (Check one item only)	🖸 a. SOLID 🗆 b	LIQUID 🖟 c. GAS	214 LAR	GEST (	CONTAINER	33	35~		213
FED HAZARD CATEG	ORIES	REACTIVE [] c. PRESS	INDEPENDENCE O	3 ACI	PPC UEAT TH		RONIC HEALTI		216
(Check all that apply)					VASTE AMOU			ASTE CODE	220
AVERAGE DAILY AM	SALLOAL	aximum daily amount 335 <i>Gall</i>	1	UNL W	AW21E WRIOO!	NI.	217 SIAIR W	ASTE CODE	
			· · · · · · · · · · · · · · · · · · ·			221	DAYS ON S	ITE:	222
UNITS* (Check one item only)	a. GALLONS	6. CUBIC FEET 0 c	c. POUNDS   d. TO n pounds.	NS					
		🗆 e. Plastic/nonmetal 🖪 f. can	LIC DRUM [] i. FIE		RUM []m.Gl	LASS BOT	TLE [] q. RA OTTLE [] r. OTI		
<del>-</del>		g, CARBOY	[] k. B0		<b>□ o.</b> T			.,	-
. <u> </u>	STEEL DRUM (	h. SILO	<b>Д</b> Г. С.	YLIND	ER . [] p. TA	NK WAG	ИС		223
STORAGE PRESSURE	☐ a. AMBIENT	☐ b. ABOVE AMBII	ENT C c. BELO	MA WC	IBIENT			_	224
STORAGE TEMPERAT	URE [] a. AMBIENT	☐ b. ABOVE AMBIE	NT 🗆 c. BELO	MA WC	ABIENT C	Jd. CRYC	GENIC		225
%WT	HAZARDOUS COM	PONENT (For mixture	or waste only)		EHS		C	AS#	<del></del>
1 /00 226	Aich	-10-0	. 227	12/3	Yes [] No	228	7486	2	229
	112019	plene.		-			1100	<u></u>	
2 230			231	ים	Yes   No	232			233
3 234			235	נ ם	Yes 🗌 No	236	,	,	237
4 238			. 220		Zac 🗆 No	740	·		241
			239	. ت	res 🗌 No	240			241
5 242	; 		243	l	čes 🗌 No	244			245
If more hazardous compone	nts are present at greater than 1%	y weight if non-carcinogenic, or	0.1% by weight if carcino	genic, a	ttach additional s	heets of pap	er capturing the requ	iired information.	
	1								246
	•					. /			
							If EPCP	A. Please Sign	n Here

Last Updated: 5/2008

City Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA:	HAZARDOUS MATERIALS IN	<b>VENTOR</b>	Y – CHEMICA	L DESCRIPTION FOR	RM.
□ADD	□DELETE □RE		200	Page o	f
	L FACILITY II	NFORMATION	¥		
BUSINESS NAME (S	ame as FACILITY NAME or DBA - Doing Business As)	MODERN A	PATTERN & F	Toursony CO.	3
CHEMICAL LOCAT		<u>201</u>	CHEMICAL LOCAT	ION CONFIDENTIAL	202
FACILITY ID #		1 MAP#	(optional) 203	GRID# (optional)  SF 4F	204
	II. CHEMICAL	INFORMATIO	N .		
CHEMICAL NAME	CARBON DIOXIDE	205	TRADE SECRET	Yes No	206
COMMON NAME	CHILDRY DIVINE	207	EHS*	☐ Yes ☐ No	208
CAS#	124389	209	*If EHS is "Yes", all	amounts below must be in lbs.	<del></del> ~
FIRE CODE HAZAR					2
HAZARDOUS MATERI TYPE (Check one item o		211 RADIOAC	TIVE LI YES 12 100	212 CURIES	2
PHYSICAL STATE (Check one item only)	□ a. SOLID □ b. LIQUID 💢 c. GAS	214 LARGEST	CONTAINER		2
FED HAZARD CATEG (Check all that apply)	ORIES  1 a. FIRE 1 b. REACTIVE 1 c. PRESSURE R.	ELEASE d. AC	CUTE HEALTH 🗆 e. C	HRONIC HEALTH	2
AVERAGE DAILY AM	OUNT 217 MAXIMUM DAILY AMOUNT	218 ANNUAL	WASTE AMOUNT	219 STATE WASTE CODE	2
UNITS* (Check one item only)	☐ a. GALLONS ☐ b. CUBIC FEEF ☐ c. POU  * If EHS, amount must be in pounc		72	DAYS ON SITE:	222
	ABOVE GROUND TANK : e. PLASTIC/NONMETALLIC D	RUM [] i. FIBER D	RUM [] m. GLASS BOT	TLE [] q. RAIL CAR OTTLE [] r. OTHER	
	TANK INSIDE BUILDING Dg. CARBOY  STEEL DRUM Dh. SILO	[] I' CATINI	☐ o. TOTE BIN DER ☐ p. TANK WAG	Ю	223
STORAGE PRESSURE	a. Ambient 🔲 b. Above ambient	c. BELOW A	MBIENT		224
STORAGE TEMPERAT	URE 💢 a. AMBIENT 🗆 b. ABOVE AMBIENT	C. BELOW A	MBIENT Q d. CRY	OGENIC	225
%WT	HAZARDOUS COMPONENT (For mixture or w	raste only)	EHS	CAS#	
1 226	CAKBON DIOXIOS	227	Yes (7) No 228	124389	229
2 250		231	Yes [] No 232		233
3 234		235	Yes   No 236		237
4 238		239	Yes   No 240		241
5 242		243	Yes   No 244		245
If more hazardous compone	nts are present at greater than 1% by weight if non-carcinogenic, or 0,1% h	y weight if carcinogenic,	attach additional sheets of pa	per capturing the required information.	245
					246
				If EPCRA, Please Sign	Here
	· <del></del>	•	,		

4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION FORM										
□ADD		DELETE	(one page per material	per building or an VISE	(z) -		200	·-	Page	of
	<u> </u>		. FACILITY I		FION	<u></u>	·····			
BUSINESS NAME	(Same as FACILITY N						ald Fa	יואמי	Ry Co. IN	3
CHEMICAL LOCA	ATION			, locate	201	CHEMICA EPCRA YES	AL LOCAT	ION CO	NFIDENTIAL	202
FACILITY ID #				1 )	MAP#	(optional)	203	1.	(optional)	204
		П	. CHEMICAL	INFORMA	TIOI	N	<del></del>			-
CHEMICAL NAM		I.lax.			205	TRADE S		ra EDCRA. 1	Yes No	206
COMMON NAME	CASTING L WAX	WHZ -			207	EHS*	N Management		☐ Yes ☐ No	208
CAS#	202742			<del>10</del>	209	*If EHS is	"Yes", all	amounts	below must be in lbs	i.
t e	ARD CLASSES (See pages	s 29 and 30 of this applie	ation)	···	t					210
HAZARDOUS MATE TYPE (Check one item	RIAL a conly) 🔲 a. PURE	i <b>X</b> b. MIXTURE	[] c. WASTE	211 RAD	IOACT	IVE DYS	DE No	212	CURIES	213
PHYSICAL STATE (Check one item only)	魇 2. SOLII	ь 🗆 в. глбатр	C. GAS	214 LAR	GEST C	CONTAINER	-	70 1	، کیا	215
FED HAZARD CATE (Check all that apply)		□ b. REACTIVE	C. PRESSURE RI	ELEASE []	d. ACU	JTE HEALTH	f ☐ e. Cl	HRONIC I	HEALTH	216
AVERAGE DAILY A	MOUNT 21	7 MAXIMUM D. 70,000	165.	•	UAL W WAS	ASTE AMO	Zerycle Rensed	219 ST	ATE WASTE CODE	220
UNITS* (Check one item only)	🗆 a. GALL	ONS Db. CUBIC	FEET R c. POUI	NDS [] d. TO	NS		221	1	s on site: 365	222
	a. ABOVE GROUND TAN	K 🗆 f. CAN	C/NONMETALLIC DE	() j. BA	G	Ωт	PLASTIC BO	TLE (	q. RAIL CAR r. OTHER	
_	tank inside buildin 1. Steel drum	G Dg. CARBOY	ľ	[2] F BC			TOTE BIN FANK WAGO	ON		223
STORAGE PRESSUR	E 🏿 a. AMBIE	ent 🗆 b. 2	ABOVE AMBIENT	☐ c. BELC		· · · · · · · · · · · · · · · · · · ·				224
STORAGE TEMPERA	TURE (a. AMBIEI	NT 🗆 b. A	BOVE AMBIENT	C c. BELO	DW AM	BIENT	[] d. CRYC	GENIC		225
%WT	HAZARDOUS	COMPONENT (	(For mixture or wa	aste only)		EHS		-	CAS#	
1 226				227	צם	es 🗌 No	228			229
2 230				231	ΟY	es 🗌 No	232			233
3 234				235	ΠY	es 🗌 No	236			237
4 238		:		239	ΠX	es 🗆 No	240			241
5 242			•	243		es 🗌 No	2,02			245
If more hazardous compo	nents are present at greater the	an 1% by weight if non-	-carcinogenic, or 0.1% hy	weight if carcinos	genic, al	tach additional	sheets of pape	r capturing	the required information.	246
				•						440
	,				V			I	f EPCRA, Please Sign	n Here

ì							City of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058								
Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM															
(one page per material per bailding or 202)  □ADD □DELETE □REVISE 200 Page _ of															
			ACILITY INFO		rion				<del>,</del>						
BUSINESS NAME	(Same as FACILITY NA			<u> </u>						3					
				Mot	ERN	PATTE	MJ &	FOUNT	PAJ CO.	INC.					
CHEMICAL LOCA	Bwild 1	Boy 3	& Ywal	NW.	25	PCRA YES	□_NO								
FACILITY ID #				1 2	MAP# (o	rionel)	203	GRID#	(optional)	204					
		n. c	HEMICAL INE	ORMA	TION					*					
CHEMICAL NAME	C1 2	>			205	TRADE SI	CRET		Yes []	No 206					
COMMON NAME	Chem R	27			207		If Subject	to EPCRA, 1	refer to instructions	208					
,	Chem 1	Cez :				EHS*			☐ Yes [	□ No					
CAS#				,	209	If EHS is	"Yes", all	amounts	below must be	in Ibs.					
FIRE CODE HAZA	RD CLASSES (See pages 2	and 30 of this application)								210					
HAZARDOUS MATER TYPE (Cheek one item	NAL only) 🛛 2. PURE (	6. MIXTURE	e. Waste <sup>2</sup>	11 RADI	IOACTIV	E 🗆 Yes	□ No	212	CURIES	213					
PHYSICAL STATE (Check one item only)	🗆 a. SOLID	🖟. пбль 🗆	c. GAS	14 LARO	GEST CO	NTAINER	5	50	165	215					
FED HAZARD CATEO (Check all that apply)	GORIES a, FIRE	D b. REACTIVE []	c. PRESSURE RELEA	ASE De	d. ACUT	e health	. □ é. C	HRONIC I	HEALTH	216					
AVERAGE DAILY AND TOO 1	77	MAXIMUM DAILY 2500	4.	IK ANN	UAL WA	STE AMOU	INT	219 ST.	ATE WASTE CO	DDE 220					
UNITS* (Check one item only)	[] a. GALLO:	IS D. CUBIC FEE	T C. POUNDS	☐ å. TO	NS	· · · · · ·	22	DAYS	S ON SITE:	222					
STORAGE CONTAINER [] 3.	ABOVE GROUND TANK	☐ c. PLASTIC/NO	NMETALLIC DRUM	O i File	er dru	M Cm.	LASS BOT	TLE O	q. RAIL CAR						
	. UNDERGROUND TANK . TANK INSIDE BUILDING	□ f. CAN □ g. CARBOY		□ j. BA			rlastic di Fote bin	Office (1	r. OTHER						
X(a.	. STEEL DRUM	O h. SILO		C I. CY	YLINDER	□ p. T.	ANK WAG	ON ·		223					
STORAGE PRESSURE	E DYa. AMBIEN	T 🔲 b. ABO	E AMBIENT	c. BELO	OW AMB	ENT				224					
STORAGE TEMPERAT	TURE 🔏 AMBIENT	☐ b. ABOV	e ambient (	] c. BELO	DW AMB	ENT	□d. CRY	OGENIC		r 225					
%WT	HAZARDOUS C	OMPONENT (For	mixture or waste	only)		ehs			CAS#						
1 20 226	FAT	MALIO	<u>s</u>	227	☐ Ye	5 <b>12</b> € №	223		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	229					
2 5 230	Re	socinol		231	☐ Ye	No No	232	108	3463	233					
3 2 234	Weth	14/c	ohol	235	☐ Ye	□ No	236	67	3463 1561	237					
4 238				239	☐ Ye	□ No	246			241					
5 242				243	!	□ No	241	· ·		245					
if more hazardaus compon	ents are present at greater than	15 by weight if non-curvi	dogenic, or 0.1% by welg	ht if carcino	zenic, alta	tenollibbe d	sheets of pap	er explusing	the required infor						
246															
							\/								
							•	1	EPCRA, Plea	se Sign Here					

	Cný of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058								
Section IIA:	HAZARDO	US MAT	ERIALS I	NVENT	OR'	Y – CHEMICA	L DES	CRIPTIO	N FORM
₽	, <b>c</b> in	PLETE	ΠR	EVISE		200			Page of
	!	I	FACILITY	INFORMA	TION	1			
BUSINESS NAME (S	Same as FACILITY NAT	ME or DBA - D	oing Business As)	MODER	JA	ATTERN & FOU	Mar	463	TNE. 3
CHEMICAL LOCAT	NOF				201	CHEMICAL LOCATI EPCRA			202
FACILITY ID #					MAP#	(opticase) 203	GRID	(opioni)	204
		П	. CHEMICAI	INFORM	ATIO	N		•	
CHEMICAL NAME		· · · · · · · · · · · · · · · · · · ·			2:15	TRADE SECRET		☐ Yes ☐	No 206
	2009 Q	<b>)</b>				(f Subject t	io EPCRA.	refer to instructions	
COMMON NAME	2009 Q Chem Rez	· Cata	1457		207	EHS*		☐ Yes	208
CAS#	;		7		209	*If EHS is "Yes", all	amounts	below must b	e in Ibs.
FIRE CODE HAZAR	ID CLASSES (See pages 29	and 30 of this applic	acios)	· · · · · · · · · · · · · · · · · · ·	·				210
			, , , <del>, , , , , , , , , , , , , , , , </del>	·- I				Τ	
HAZARDOUS MATERS TYPE (Check one item o	IAL poly) Clarence &	a6. Mexture	C. WASTE	211 RA	DIOAC	IVE   Yes   No	212	CURIES	
PHYSICAL STATE (Check one item only)	□ a. SOLID	<b>Ж</b> ь. гтбпш	□ c. ĜAS	ZI4 LA	RGEST	CONTAINER 55	50		
FED HAZARD CATEG (Check all that apply)		) b. REACTIVE	C c. PRESSURE	RELEASE [	d. AC	UTE HEALTH 🛛 e. CI	HRONIC:	HEALTH	ing se
AVERAGE DAILY AM	OUNT 217	MAXIMUM D.	AILY AMOUNT	218 AN	NUAL	VASTE AMOUNT	319 S1	ATE WASTE C	ODE
400	2	10	00			221	1 543	ON SERVE	
UNITS* (Check one item only)	M a. GALLON		FEET AC PO		ONS		DAT	S ON SITE:	
	ABOVE GROUND TANK UNDERGROUND TANK	🗆 c. Plasti 🖸 f. Can	CNONMETALLIC	A. i D MURD	IBER D	RUM [] m. GLASS BOT [] n. PLASTIC B		7 q. RAIL CAR 7 r. OTHIFR	
· · · · · · · · · · · · · · · · · · ·	TANK INSIDE BUILDING	_ •-	Y	D L I		O. TOTE BIN	^		
	STEEL DRUM	() h. SILO				ER [] p. TANK WAG	UN		223
STORAGE PRESSURE	<del></del>		ABOVE AMBIENT	☐ c. BE		·			224
STORAGE TEMPERAT			BOVE AMBIENT	₽ c. BE	LOW A		OGENIC		225
%WT	HAZARDOUS CO	OMPONENT -	(For mixture or	waste only)	-	EHS		CAS#	
1 75 226	Sultania Inorg	Acid	ds	22	' 0	Yes No 123	·		229
2 75 230	Inorg	mie/	fuils	23		Yes No 212			233
3 234				23:		Yes No 236			237
4 238				239	ם י	Yes 🗌 No 240			241
5 2-2 243 Yes No 2-44 245									
If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if parcinogenic, attach additional sheets of paper capturing the required information.									
!	:							TERRODA DIA	basa Sian Ware

Section IIA	: HAZARDO	4305 S.	ion – Unified Santa Fe Ave RTALS II	e., Vernon,	CA S	90058.		L DES	CRIPTION F	ORM
			(one page per materia	l per building or ar			200		Page	of
□VDD		DELETR		EVISE					,	
DYIONYPOO MARCH	Company SAGII EDV MA		FACILITY I	NFORMA	LION	· .				
	(Same as FACILITY NA	ME of DBA - Doi	ng Business As)	MODERN'S	PATT				o. INC.	
CHEMICAL LOCA	16 16				201	CHEMICA EPCRA YES	Ø NO		FIDENTIAL	202
FACILITY ID #				, ,	MAP#	(optional)	203		(optional) F Designate	115
		п. (	CHEMICAL	INFORMA	TIO	N				-
CHEMICAL NAME			- 11-		205	TRADE S	ECRET		☐ Yes ☐ No	206
COMMON NAME	CALCIUM	SULFATE	HEMI		207		If Subject	to EPCRA, 1	efer to instructions	208
	CALCIUM DUROL				209	EHS*	-		☐ Yes ☐ No	-
CAS#					205	*If EHS is	"Yes", all	amounts	below must be in lb	<b>s.</b>
FIRE CODE HAZA	RD CLASSES (500 pages 25	and 30 of this application	n)			.4	·			210
HAZARDOUS MATER TYPE (Check one item	CIAL outly) () a. PURE (	<b>X</b> b. MIXTURE (	] c. WASTE	211 RAD	IOACT	TVE 12 Yes	DX No	212	CURIES	
PHYSICAL STATE (Check one item only)	) a. solid (	D 6. LIQUID E	c. GAS	214 LAR	GEST (	CONTAINER	10	0165		
FED HAZARD CATEO (Check all that apply)		] b. REACTIVE [	c. PRESSURE R	ELEASE [	d. ACI	UTE HEALTH	I 🗆 e. C	HRONIC I	IEALTH	
AVERAGE DAILY AM	OUNT 217	MAXIMUM DAIL	Y AMOUNT	218 ANN	IUAL V	VASTE AMO	UNT	219 ST	ATE WASTE CODE	<del>-</del>
· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>	~				22	DAY	ON STIE:	<b>-</b> 77
UNITS* (Check one item only) STORAGE	a. GALLON		EET ZX c. POU int must be in poun		ONS				365	
CONTAINER   2	ABOVE GROUND TANK	🖸 £ CAN	NONMETALLIC D	RUM [] i. FU [] j. BA [] k. BK	G	Пт	PLASTIC B		q. RAIL CAR r. OTHER	, <b>' -</b>
	. TANK INSIDE BUILDING . STEEL DRUM	☐ g. CARBOY		- •		⊔о. ER □p.1	TOTE BIN TANK WAG	ON ·	•	223
STORAGE PRESSURE	E 🗆 a. AMBIEN	T 🗆 b. AB	OVE AMBIENT	C. BELO	DW AM	IBIENT	•	·	· · · · · · · · · · · · · · · · · · ·	224
STORAGE TEMPERAT	TURE [] a. AMBIENT	□ b. ABC	VE AMBIENT	C. BELI	MA WO	ABIENT	☐ d. CRY	OGENIC		225
%WT	HAZARDOUS C	OMPONENT (F	or mixture or w	aste only)		EHS			CAS#	
1 90 226	CALL	Jum Sul	FATE	227	ים	es □ No	228	77	78189	229
<sup>2</sup> /O <sup>230</sup>	Silia	ium Sui	15tallin	231	ים	∕cs □ No	232	148	08607	233
3 234		•		235	ים	res □ No	236			- 237
4 238				239	נם	Yes □ No	240	-		241
5 242				243	ł	es □ No	244			245
II more hazardous compon	ents are present at greater than	1% by weight if non-ca	rcinogenic, or 9.1% b	y weight if carcing	genic, a	ttach additional	sheets of pap	er capturing	the required information	246
						r				.40
							/	- <b>I</b> I	FEPCRA, Please Sig	gn Here

## City of Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDO	OUS MATERIALS INVENTORY - (	CHEMICAL DESCRIPTION FORM

occuon max		JOD IVALEAT	(one page per mai	erial per buildin	s or sies)		• ,	والمستري والمستوالية والمستوال
□ADD		DELETE		REVISE		200		Page of
		L	FACILITY	INFOR	MATIO	N		
BUSINESS NAME (	Same as FACILITY N	AME or DBA - D	oing Business A	s) MODE	ECV F.	ATTEXN & FO	univery Co	. INC.
CHEMICAL LOCAT					201	CHEMICAL LOCA	TION CONFIDENTI	AL 202
	BULDING #	t2 Desi	snated	1-1		EPCRA   NO		
FACILITY ID #					MAP/	(optional) 203	GRID# (optional)	204
	多数	TI.	CHEMICA	L INFOR	CITAMS	)N		
CHEMICAL NAME				<del></del>	205	TRADE SECRET	☐ Yes	☐ No 206
CHIMILOND HAVID	FERRO Sill	Lon Allo	75	į.	*	1	n to EPCRA, refer to instruc	
COMMON NAME					207	EHS*	☐ Yes	208 □ No
CAS#	,				209	*If EHS is "Yes", a	il amounts below mu	st be in lbs.
FIRE CODE HAZA	RD CLASSES (See pages	29 and 30 of this applie	etion)			1		210
THE COPE PACE	The Continues of the lates	and so or mis ablifu						
HAZARDOUS MATER	JAL	DX b. MIXTURE	C. WASTE	211	RADIOAC	TIVE DYES X No	212 CURIES	213
TYPE (Check one item	omy) U a. PURE	An WILLIAM						215
PHYSICAL STATE (Check one item only)		b. LIQUID	□ c. GAS	214	LARGEST	CONTAINER 2	toolbs.	216
FED HAZARD CATE( (Check all that apply)	GORIES C a. FIRE	□ b. REACTIVE	C. PRESSUR	E RELEASE	[] d. A	CUTE HEALTH (] e.	CHRONIC HEALTH	
AVERAGE DAILY AM	_		ALY AMOUNT	. 218	ANNUAL	WASTE AMOUNT	219 STATE WAST	TE CODE 220
1200	,00 /bs.	10,000	135.					
UNITS* (Check one item only)	a. GALL		FEET & c. F		d. TONS	2	21 DAYS ON SIT	E: <b>722</b>
STORAGE CONTAINER : 2	ABOVE GROUND TAI UNDERGROUND TAN	NK 🗆 c. PLASTI		C DRUM	i. FIBER I j. BAG	ORUM [] m. GLASS BO	TILE [] q. RAIL ( BOTTLE [] T. OTHER	CAR .
	TANK INSIDE BUILDI	ř .	r		k BOX	O. TOTE BIN		
` <b>b</b> }∕a	STEEL DRUM	☐ F SITO	•		I CYLIN	DER p. TANK WA	GON	223
STORAGE PRESSURI	E 🔏 a. AMBI	ENT 🗆 b	ABOVE AMBIEN	î 🗆 c.	BELOW A	MBIENT		224
STORAGE TEMPERA	TURE 🔏 AMBIE	NT 🗆 b. A	BOVÉ AMBIENT	□ c	BELOW A	MBIENT   d. CR	YOGENIC	225
%WT	HAZARDOUS	COMPONENT	(For mixture o	r waste onl	y)	EHS	CAS	S#
1 90 226	Silica	2/1			227	Yes   No 228	74402	229 كار
2 10 230	Silica			· .	231	Yes 🗌 No 232	74402	NG 233
3 234			·····		235	Yes ☐ No 236		237
4 238		-	8.1		239	Yes		241
5 242		<u>}·</u>			243	Yes   No 244		245
If more hazardous compon	cots are present at greater t	han 1% by weight if nor	-carcinogenic, or 0.1	1% by weight if	carcinogenic	, attach additional sheets of p	aper expturing the require	d information.
	· · · · · · · · · · · · · · · · · · ·							246
					ė .			
				•	V			
			·				If EPCRA	Please Sign Here

#### **Business Application Package** Vernon – Unified Program (CUPA) Agenc 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM (one page per material per building or area) **□DELETE CIREVISE** L FACILITY INFORMATION BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) MODERN PATTERNE FOUNDRY CO. INC CHEMICAL LOCATION GRID# (optional) MAP# (optional) FACILITY ID # II. CHEMICAL INFORMATION 206 CHEMICAL NAME TRADÉ SECRET ☐ Yes No If Subject to EPCRA, refer to instructions 207 208 **COMMON NAME** EHS\* ☐ Yes □ No 209 CAS# \*If EHS is "Yes", all amounts below must be in lbs. FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application) HAZARDOUS MATERIAL TYPE (Check one item only) RADIOACTIVE | Yes ANO **CURIES** A PURE □ b. MIXTURE C. WASTE PHYSICAL STATE . 214 LARGEST CONTAINER ▼ a. SOLID □ b. LIQUID ☐ c. GAS (Check one item only) FED HAZARD CATEGORIES (Check all that apply) □ a. FIRE □ b. REACTIVE □ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH AVERAGE DAILY AMOUNT ANNUAL WASTE AMOUNT STATE WASTE CODE 000.00 DAYS ON SITE: ☐ b. CUBIC FEET b. CUBIC FEET (2) c. POUNDS (1 d. TONS I fells, amount must be in pounds. UNITS\* (1) a. GALLONS (Check one item only) STORAGE ☐ c. PLASTIC/NONMETALLIC DRUM☐ f. CAN □ i. FIBER DRUM □ m. GLASS BOTTLE □ q. RAIL CAR LY j. BAG □ n. PLASTIC BOTTLE □ r. OTHER a. ABOVE GROUND TANK b. UNDERGROUND TANK CONTAINER C. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN □ d. STEEL DRUM D & SILO L CYLINDER ☐ p. TANK WAGON 223 STORAGE PRESSURE (2/a. AMBIENT □ b. ABOVE AMBIENT C. BELOW AMBIENT 224 STORAGE TEMPERATURE a. AMBIENT □ b. ABOVE AMBIENT C c. BELOW AMBIENT CRYOGENIC 225 HAZARDOUS COMPONENT (For mixture or waste only) %WT **EHS** CAS# Silica Crystalline 226 ☐ Yes 🗷 No 229 1631869 231 ☐ Yes ☐ No 232 233 214 235 ☐ Yes ☐ No 236 237

238

242

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

239

243

☐ Yes ☐ No

☐ Yes ☐ No

240

If EPCRA, Please Sign Here

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معاصد عن يمم	***	420E C C	anta Fe Ave., Ver	non CA	90058	ጠርል፤ ከ፱፸	CRIPTION F	ORM
Section IIA:	HAZAKDU	UD MATE	RIALS INVE	og or area)	I - CHEW	200	Page	of
CIADD		DELETE	FIREVISE			200	rage_	_**
			FACILITY INFOR	MATIO	Y			
BUSINESS NAME (Sa	me as FACILITY NA	ME or DBA - Doin	g Business As)  **Robb Electric Report   Property   Pro		TERN & FOU	NOTZYCO.	INC.	3
CHEMICAL LOCATI	iding 1 Ba	73 De:	s. /K & 2K	/ 201	EPCRA DES D	NO 203   GRID#	;	202
FACILITY ID #				MAP	(optional)	203   GRID#	(Opinital)	
		п. с	HEMICAL INFO	RMATIC	N			
CHEMICAL NAME	ISOPROF	of ALCO	40L	205	TRADE SECI	RET If Subject to EPCRA, r	Yes No	205
COMMON NAME		/- /	• -	207	EHS*		☐ Yes ☐ N	208 O
CAS#	67630			209	*If EHS is "Y	'es", ali amounts	below must be in II	
FIRE CODE HAZAR		9 and 30 of this application	)					210
HAZARDOUS MATERL TYPE (Check one item or		🗆 b. MIXTURE 🛚 C	c. WASTE 211	RADIOAC	TIVE OYES	( No 212	CURIES	
PHYSICAL STATE (Check one item only)		□ b. LIQUID C	l c. GAS 214	LARGEST	CONTAINER	55	· :	
FED HAZARD CATEGO (Check all that apply)	DRIES 2. FIRE	. •	c. Pressure releasi			e. CHRONIC I	: 	
AVERAGE DAILY AMO		MAXIMUM DAIL	Y AMOUNT 218	ANNUAL	WASTE AMOUN	T 219 ST	ATÉ WASTE CODE	71
	JAL.	NE DE CUBICA	ET [] c. POUNDS	d. TONS		221 DAY	S ON SITE:	
UNITS* (Check one item only) STORAGE	jXa. GALLO	* If EHS, amou	ant must be in pounds.		onini S - C'	A SE BOTTE C	T a RAII CAR	
CONTAINER   2.	ABOVE GROUND TAN UNDERGROUND TANK	K   e. Plastic/i   c. can		] j. BAG	Ŭ BL PL	V2IIC ROLLTS F	] q. RAIL CAR ] r. OTHER	
_	TANK INSIDE BUILDIN			□ k. BOX □ l. CYLIN	Do. TO	ite bin NK Wagon	,	223
	STEEL DRUM	Dh. SILO		c, BELOW				224
STORAGE PRESSURE STORAGE TEMPERAT	JA AMBIE			c. BELOW A		d. CRYOGENIC	1	225
%WT			or mixture or waste o	1	EHS		CAS#	
1 . 226				<del></del>	Yes KNo	228 67	1630	229
2 230	LSOFKE	Pyl ALC	-1706	231	Yes No	232	,	233
3 234			·	235	] Yes □ No	236	,	237
4 238			<u> </u>	239	) Yes [] No	240		241
5 242		· · · · · · · · · · · · · · · · · · ·	<u> </u>	243	] Yes 🗌 No	244	<u> </u>	245
_	nts are present at greater th	an 1% by weight if non-co	arcinogenic, or 9.1% by weight	-		reets of paper capturi	ng the required informat	ion.
								246
							If EPCRA, Please	Sign Here

City of Vernon CUPA			Busine	ss Application Package
Section IIA:	City of Vernon - Unified I 4305 S. Santa Fe Ave. HAZARDOUS MATERIALS IN	, Vernon, C. VENTO	A 90058	AL DESCRIPTION FORM
CARR	(one page per material	······································	200	Page of
	I. FACILITY I		ON	
BUSINESS NAME (S	me as FACILITY NAME or DBA - Doing Business As)	MODERN	PATTERN & FO	way Co. INC. 3
CHEMICAL LOCATI	on Ing # 2	2	OI CHEMICAL LOCA EPCRA YES NO	TION CONFIDENTIAL 202
FACILITY ID #		1 MA	P# (optional) 203	GRID# (optional) 204
	II. CHEMICAL I	NFORMAT	ION	·
CHEMICAL NAME	STEFI ALLOY	2	05 TRADE SECRET  11 Subject	Yes No 206
COMMON NAME	STEEL ALLOY LOW CARBON IRON	2	EHS*	☐ Yes ☐ No
CAS#			*If EHS is "Yes", a	Il amounts below must be in lbs.
FIRE CODE HAZARI	D CLASSES (See pages 29 and 30 of this application)			210
HAZARDOUS MATERL		zil RADIO	ACTIVE DYS No	212 CURIES 213
PHYSICAL STATE (Check one item only)	De a. SOLID   b. LIQUID   c. GAS	214 LARGE	est container 4	215 200 /bs .
FED HAZARD CATEGO (Check all that apply)	RIES  a. FIRE b. REACTIVE c. PRESSURE R	elease 🗆 d.	ACUTE HEALTH	CHRONIC HEALTH
AVERAGE DAILY AMO		218 ANNU	AL WASTE AMOUNT	219 STATE WASTE CODE 220
5000 lb.	s. 12,000.00 lbs.			
UNITS* (Check one item only)	a. GALLONS b. CUBIC FEET c. POU			DAYS ON STIE: 222
STORAGE CONTAINER   B. 6	ABOVE GROUND TANK  G. PLASTIC/NONMETALLIC DI INDERGROUND TANK  G. CAN  TANK INSIDE BUILDING  G. CARBOY	RUM [] i. FIBE [] j. BAG	LI EL PLASTIC	BOTTLE LI I. OTREK
	STEEL DRUM [] h. SILO	☐ I CAI	INDER [] p. TANK WA	•
STORAGE PRESSURE	© a. AMBIENT □ b. ABOVE AMBIENT	C c. BELOV	V AMBIENT	224
STORAGE TEMPERATI	JRE 🛛 a. AMBIENT 🔲 b. ABOVE AMBIENT	□ c. BELOV	V AMBIENT () d. CR	YOGENIC 225
%WT	HAZARDOUS COMPONENT (For mixture or w	aste only)	EHS	CAS#
1 226	IRON	227	☐ Yes 🖾 No 228	7439987 229
2 230	TRON  MANUSANESE  CATS CARBON REALTIVE	231	☐ Yes ⊠ No 232	7439987 <sup>229</sup> 743 9896 <sup>233</sup> 7440213
3 234	CARSON REALTINE	235	☐ Yes 🗷 No 236	7440213
4 238		239	☐ Yes ☐ No 240	241

If EPCRA, Please Sign Here

245

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242

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

☐ Yes ☐ No

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City of Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: H	AZARDOU	S MATI	CRIALS I	LIN V LLI	(01 stes)	AI CHE		NESCK		
□ADD	CDR	alete		REVISE			200		Page	_of
	:	I.	FACILITY	' INFORI	MATIC	N				
BUSINESS NAME (Same	as FACILITY NAM	E or DBA - Do	oing Business As	s) MOL	ERN	PATTIERN S	i Foun	weyl	O. INC	3
CHEMICAL LOCATION	Russilia	10 D.	signited	4	20	EPCRA	LOCATIO	N CONFIL	DENTIAL	202
<del></del>	BULDING #	E'L V	31512166	· / '/	I MAI	P# (optional)	NO 203 (	GRID# (optic	0021)	204
FACILITY ID #					<u> </u>			9-1	<u> </u>	
- · · · · · · · · · · · · · · · · · · ·	;	n.	CHEMICA	L INFOI						206
CHEMICAL NAME	ERRO CHE	SOMF.			20			EPCRA, refer to	_	
COMMON NAME	ERRO CHA METAL AL	404			20	EHS*			] Yes □ No	208
CAS#					20	*If EHS is *	Yes", all a	mounts belo	ow must be in lbs	
FIRE CODE HAZARD C	LASSES (See pages 29 z	nd 30 of this applica	ation)					-		210
HAZARDOUS MATERIAL TYPE (Check one item only)	□ a. PURE Æ	b. MIXTURE	C) c. WASTE	211	RADIOA	ACTIVE DYES	<b>⊠</b> (No	212 C	TURIES	213
PHYSICAL STATE (Check one item only)	2 2. SOLID	Λ.	C c. GAS	214	LARGES	ST CONTAINER	200	70		<u>2</u>
(Check one item only)  FED HAZARD CATEGORIE (Check all that apply)	•		C. PRESSURE	E RELEASE	L d. 4	ACUTE HEALTH			LTH	2.
AVERAGE DAILY AMOUN	217	MAXIMUM DA	AILY AMOUNT	218		L WASTE AMOUN	VT 2	19 STATE	WASTE CODE	<del></del>
3000 /	65.	800	0 135				22!	DAYS OF	v stra-	<del></del> ;
UNITS* (Check one item only)	🗋 a. GALLONS	S Db. CUBIC * If EHS, an	FEET A C. P.	OUNDS E	d. TONS	1	<i></i>	DAISU		
STORAGE CONTAINER  2. ABO	VE GROUND TANK DERGROUND TANK			C DRUM	] j. BAG		TW211C RO	LE C q.	RAIL CAR OTHER	•
() c. TAN	K INSIDE BUILDING	☐ g. CARBOY	Y		] k. BOX ] ). CYLI		OTE BIN ANK WAGO	<b>N</b>		223
STORAGE PRESSURE	EL DRUM		ABOVE AMBIENT			AMBIENT				224
STORAGE TEMPERATURE			BOVE AMBIENT				] d. CRYO	JENIC .	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	225
	HAZARDOUS CO				ly)	EHS			CAS#	
1 70 226	CHR	mumm			227	☐ Yes ☐ No	228	7440.	2/3	229
2 30 230	IRO	OMIUM N		·	231	Yes No	232	743	213 9896	233
3 234	!				235	☐ Yes ☐ No	236			237
4 238					239	Yes No	240	<del>-</del>		241
5 242					243	Yes No	244			245
If more hazardous components a	re present at greater than	1% by weight if no	n-carcinogenic, or 0.1	1% hy weight i	f carcinoge	nic, attach additional :	sheets of pape	r capturing the	2 required informatio	
-	İ									246
	!							If E	PCRA, Please Si	ign Here

City Vernon – Unified Program (CUPA) Agency

	4305 S. Santa Fe Ave., Vernon, CA 900	V20	· ·
Section	IIA: HAZARDOUS MATERIALS INVENTORY	- C	HEMICAL DESCRIPTION FORM
COLUM	(one page per material per building or area)		

	(one page per material per t		200	· Page of						
□ADD	L FACILITY INF	·	ON							
BUSINESS NAME	(G EACH TEV MAME or DRA Doing Rusiness As)	·		3						
			PATTERN & FOU.	TION CONFIDENTIAL 202						
CHEMICAL LOCA	NORTHWALL Building #2	inated	EPCRA							
		M	AP# (optional) 203							
FACILITY ID #				9F						
II. CHEMICAL INFORMATION										
CHEMICAL NAM			205 TRADE SECRET	Yes No Z06  To EPCRA, refer to instructions						
COMMON NAME	MOLYBDENUM:	<del></del>	207 EHS*							
	MOLYBOENUM		209							
CAS#		•	*If EHS is "Yes", a	Il amounts below must be in lbs.						
FIRE CODE HAZ	RD CLASSES (See pages 29 and 30 of this application)		-							
**************************************	TYAY .			212 CURIES						
HAZARDOUS MATT		211 RADIO	DACTIVE D Yes S No	212 CURIES						
PHYSICAL STATE (Check one item only)	a. SOLID 🖸 b. LIQUID 💢 c. GAS	214 LARG	EST CONTAINER	200 lbs.						
FED HAZARD CATI (Check all that apply)		ASE () d	. ACUTE HEALTH	CHRONIC HEALTH						
AVERAGE DAILY A			JAL WASTE AMOUNT	219   STATE WASTE CODE						
70 /				i .						
UNITS*	□ a. GALLONS □ b. CUBIC FEET □ C. POUND	\$ [] d. TO		DAYS ON SITE: 222						
(Check one item only) STORAGE CONTAINER	a. ABOVE GROUND TANK	M O i FIB	ER DRUM [] m. GLASS BO	OTTLE [] q. RAIL CAR						
a	b. UNDERGROUND TANK	j. BAC k. BO:	i Lin. PLASTIC	BUILE D I. Olinar						
_	d. STEEL DRUM Dh. SILO	□ r cx	•	GON 223						
STORAGE PRESSU	RE 1 a. AMBIENT   b. ABOVE AMBIENT	□ c. BELO	W AMBIENT	22.0						
STORAGE TEMPER	ATURE 2 AMBIENT (1 6. ABOVE AMBIENT	C c. BELO	W AMBIENT 🗋 d. CR	YOGENIC 22						
%WT	HAZARDOUS COMPONENT (For mixture or wast	e only)	EHS	CAS#						
1 55 20	Molybdenum	227	☐ Yes 🗷 No 228	22:						
2 32 23	Molybdenum Iron Silicon	231	☐ Yes ☑ No 232	23.						
3 2 23	Silican	235	☐ Yes 🔀 No 236	23						
4 23		239	☐ Yes ☐ No 248	24						
5 24		243	☐ Yes ☐ X10 244	24.						
If more hazardous com	onents are present at greater than 1% by weight if non-carcinogenic, or 0.1% by w	eight if carcino	genic, attach additional sheets of p							
				24						
	,	V	· · · · · · · · · · · · · · · · · · ·	If EPCRA, Please Sign Hero						

City of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION FORM

	(one page per in	raterial per building or area)	200	Page	of
□ADD	□DELETE I	TREVISE	200		
	I. FACILIT	Y INFORMATIO	N .		
BUSINESS NAME (Same as FACILIT	Y NAME or DBA - Doing Business	As) MODERN	PATTERN & FOUN	way co. INC	3
CHEMICAL LOCATION	Wing 1 & Brilding 2	20	CHEMICAL LOCATI	ON CONFIDENTIAL	202
FACILITY ID #	THE PT	MAR	# (optional) 203	GRID# (optional)	204
FACILITY ID#		THE OPERATOR	ON		
		AL INFORMATION		☐ Yes ☐ No	206
CHEMICAL NAME	Chloride.	*	If Subject	to EPCRA, refer to instructions	208
COMMON NAME MURIATION	Chloride. AUD	20	EHS*	☐ Yes ☐ No	
CAS#	64010	20	*If EHS is "Yes", all	amounts below must be in lbs	5. 210
FIRE CODE HAZARD CLASSES (Se	pages 29 and 30 of this application)				210
			CTIVE LI Yes X No	212 CURIES	213
HAZARDOUS MATERIAL TYPE (Check one item only)	URE D. MIXTURE D. C. WASTE	211 RADIO	CHAR Flas William	77 00	215
PHYSICAL STATE (Check one item only)	OLID A b. LIQUID C. GAS	214 LARGE	ST CONTAINER	TALLON	216
FED HAZARD CATEGORIES (Check all that apply)	FIRE D. REACTIVE C. PRESS	URE RELEASE [] d.	ACUTE HEALTH 🗆 e. C	HRONIC HEALTH	
AVERAGE DAILY AMOUNT	217 MAXIMUM DAILY AMOUN	- ' }	L WASTE AMOUNT	219 STATE WASTE CODE	220
12,00 GALL	W 20 Gallon	5	22	DAYS ON SITE:	222
UNITS* [] a. (Check one item only)	ALLONS   b. CUBIC FEET   r. f. EHS. amount must be i	c. POUNDS [] d. TONS n pounds.	 		
STORAGE CONTAINER 2. ABOVE GROUN	TANK   c. PLASTIC/NONMETAL	LLIC DRUM   1. FIBEI   j. BAG	R DRUM 🗀 m. GLASS BO' (X) n. PLASTIC I	TILE [] q. RAIL CAR BOTTLE [] r. OTHER	
C C. TANK INSIDE B		□ F BOX			
□ d. STEEL DRUM	C) h. SILO	☐ I. CYL	INDER   p. TANK WAG	GON	223
STORAGE PRESSURE 2.	MBIENT [] b. ABOVE AMBI	ENT 🛛 c. BELOW	AMBIENT		224
STORAGE TEMPERATURE (2. A.	MBIENT 🗆 b. ABOVE AMBIE	ENT C. BELOW	AMBIENT [] d. CR		225
%WT HAZARD	OUS COMPONENT (For mixture	e or waste only)	EHS	CAS#	
1 99 226 14	jdozen Chloride	227	Yes   No 228	7647010	229
2 230		23[	☐ Yes ☐ No 232		233
3 234		235	☐ Yes ☐ No 236		237
4 238		239	□ Yes □ No 240		241
5 242		243	☐ Yes ☐ No 244		245
If more hazardous components are present at s	eater than 1% by weight if non-carcinogenic, o	or 0.1% by weight if carcinoge	nic, attach additional sheets of p	aper capturing the required informati	on.
		/		-	246
		•			
				If EPCRA, Please S	Sign Herc
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City 6. Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058  Section IIA: HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION FORM (gene pages per material per building or area)											
□ADD	DELETE	(one page per material per bu		200		Pageof					
		L FACILITY INFO		N .							
BUSINESS NAME (Same as FACIL	_	· · · · · · · · · · · · · · · · · · ·	<u></u>	PATTERN & Fan	sory co. In	Ł. 3					
CHRMICAL LOCATION Built	din # 2		201	CHEMICAL LOCAT EPCRA YES NO	TON CONFIDENTIAL	202					
FACILITY ID #			1 MAP	# (optional) 203	GRID# (optional)	204					
II. CHEMICAL INFORMATION											
CHEMICAL NAME			205	TRADE SECRET		No 206					
Nich.	el .		207		to EPCRA, refer to instruction	208					
COMMON NAME  Nick	ul.			EHS*	☐ Yes	□ No					
CAS#	47010		209	*If EHS is "Yes", all	amounts below must b						
FIRE CODE HAZARD CLASSES		ication)				210					
HAZARDOUS MATERIAL TYPE (Check one item only)	/ a. PURE   b. MIXTURE	C. WASTE	RADIOA	CTIVE 1 Yes 1 No	212 CURIES	213					
PHYSICAL STATE (Check one item only)  D a. SOLID D/o. LIQUID D c. GAS  214 LARGEST CONTAINER 20 GAL.											
EED HAZARD CATEGORIES	a. FIRE [] b. REACTIVI	E 🔾 c. PRESSURE RELEA		ACUTE HEALTH		216					
AVERAGE DAILY AMOUNT	217 MAXIMUM E	DAILY AMOUNT 2	IB ANNUAL	L WASTE AMOUNT	219 STATE WASTE	CODE 220					
UNITS*	a. GALLONS Db. CUBI	IC FEET	d. TONS	n	DAYS ON SITE:	222					
(Check one item only) STORAGE CONTAINER [] a. ABOVE GROU	* I(EHS, : IND TANK [] e. PLAST	amount must be in pounds.  TIC/NONMETALLIC DRUM	i i fiber	DRUM [] m. GLASS BOT	TILE   q. RAIL CAI BOTTLE   r. OTHER	R					
☐ b. UNDERGROUI ☐ c. TANK INSIDE		DY	L J. BAC	O. TOTE BIN							
Ad. Steel drum			C) r carr	NDER [] p. TANK WAG	NOS	223					
STORAGE PRESSURE	. AMBIENT 🔲 b.	. ABOVE AMBIENT	c. BELOW	AMBIENT		224					
STORAGE TEMPERATURE 💢 a.	AMBIENT □ b.	ABOVE AMBIENT (	C. BELOW	AMBIENT 🗋 d. CRY	OGENIC	225					
		(For mixture or waste	only)	EHS	CAS #	<del> </del>					
1 90 226	Wickel		227	Yes [] No 228	76470	10 229					
2 3 250 /	Nickel Nickel Oxia Cobaltous U	le	231	] Yes		233					
3 2 234 (	Cobaltous U	'xide	235	]Yes □ No 236		237					
4 238	,		239 [	] Yes		241					
5 242		/		] Yes [] No 244		245					
If more hazardous components are present at	greater than 1% by weight if n	nun-carcinogenic, or 0.15 by wei	ight if carcinogen	ic, attach additional sheets of pa	per capturing the required i	nformation.					
				. •		OFA					
		$\checkmark$			if EPCRA, P	Please Sign Here					

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•		City of Vernon - Unified	Program (C)	UPA) Agency			1		
		4305 S. Santa Fe Av	e., Vernon, C	A YUUST	MOAT	TOTAL CONTRACTOR FO	DN/I		
Section IIA:	HAZARDOU	IS MATERIALS I	NAFULO	KY - CHE	MICAL	DESCRIPTION FO	TCIVI		
	·	(स्त्रह ह्यान विशे सर्वेहर्ग	al per briding or size		200	Page	of		
□dab	ď□	elete or	EVISE		245	****			
		L FACILITY	NEODMATI	(ON					
			·	·					
BUSINESS NAME (Sa	ime as FACILITY NAM	IE or DBA - Doing Business As)	Mal	DER 1 PATTE	10.12	Formery CO.	3		
			77700	WW PAII	100 5	ON CONFIDENTIAL	202		
CHEMICAL LOCATI	ON	11 IP	10	EPCRA	LUCAIN	ON CONTINESTATE			
NORTH	VALL BILG.	#/	<del></del> /	YES [					
	TENT		1 M	AP# (opticasi)	203	GRID# (optional)	204		
FACILITY ID#			1 1 1		l	47 612			
	E-0/124	190001				-	_		
		II. CHEMICAL	, INFORMAT	TION		•			
CHEMICAL NAME				205 TRADE SEC	RET	☐ Yes ☐ No	206		
CHEMICAL WANTE	Nitrogen				If Sphiert to	HPCRA, refer to instructions			
621000111100	101110gen	<u> </u>		207			208		
COMMON NAME	İ			EHS*		☐ Yes ☐ No			
				209					
CAS#	12810	<del>47</del> 772733	37	*If EHS is "	Yes", all a	amounts below must be in lbs.			
	FIRE		/				210		
FIRE CODE HAZAR	D CLASSES (See pages 29	and 30 of this application)							
						·	- 315		
HAZARDOUS MATERIA	AT at			OLOTHE CLY-	die	212 CURIES	213		
TYPE (Check one item or	dy) A PURE D	b. MEXTURE [] c. WASTE	211 RADI	OACTIVE CI Yes	<b>₹</b> 140	ZIZ COMIZ			
<u> </u>									
PHYSICAL STATE (Check one item only)	a solid t	b. LIQUID 🕱 c. GAS	214 LARG	EST CONTAINER	30	4 FT3	•		
. •	A	76. 2802 /24							
FED HAZARD CATEGO (Check all that apply)	) a FIRE (	b. REACTIVE C c. PRESSURE	RELEASE 🛛 d	. ACUTE HEALTH	☐ e. CF	IRONIC HEALTH			
	ı			THE WARTER ANDON	( <del>-</del>	219   STATE WASTE COI			
AVERAGE DAILY AMO		MAXIMUM DAILY AMOUNT	218 ANNI	JAL WASTE AMOU	x 1	SIAID WASTE COL.			
300 F	7 <i>3</i> : .	690 FT3				<u> </u>	3.45.41.15.1		
	<u></u>				221	DAYS ON SITE:	,		
UNITS*	🖸 a. GALLON	S Db. CUBIC FEET D c. PO  * If EHS, amount must be in pour		NS					
(Check one item only) STORAGE	<u> </u>					77			
CONTAINER 2.	ABOVE GROUND TANK	D c. PLASTIC/NONMETALLIC	DRUM [] i. FIB [] j. BAC	ERDRUM [] m. G	LASS BUTT LASTIC BO	TLE [] q. RAIL CAR STILE [] r. OTHER			
	UNDERGROUND TANK	<del>-</del> · · ·	□ Ł BO	-		1			
i	TANK INSIDE BUILDING	D. R. CARBOY							
	STEEL DRUM	O h. SILO	JY C1	Choek Cip. 1.	THE MADE		223		
STORAGE PRESSURE	🖸 a. AMBIEN	T h. ABOVE AMBIENT	C. BELO	W AMBIENT		•	224		
STORAGE TEMPERATI	URE [] AMBIENT	□ b. ABOVE AMBIENT	🖸 c. BELO	OW AMBIENT I	J4. CRYC	DGENIC	225		
		34.000xer32my 67	mento cala-	Este		CAS#			
%WT	HAZARDOUS C	OMPONENT (For mixture or	wasie only)	EHS		CAS#			
100	1.1			0 V C V-	,,,	-	229		
1 1 (0/) 226	11/14	mais	227	☐ Yes ☐ No	23   3	1182441	-47		
	- 0, - /	<del>-0-'</del>				7777777			
2 230		_	23)	☐ Yes ☐ No	232	1161331	233		
				<u> </u>					
3 234			235	☐ Yes ☐ No	236		237		
	<u> </u>						<del></del>		
			239	☐ Yes ☐ No	240		241		
4 235			در	ייי ביי טוו נייי נייי					
					<del></del>				
5 742	i		243	□ yes □ No	244		245		
U more hazardaus mareans	nts are present at greater than	1% by weight if non-carrinogenic, or 0.15	hy weight if carcino	i zehie, altach additional	sheets of pap	er capturing the required information			
		The state of the s		,			248		
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,			V			If EPCRA. Please Sig	n Herc		
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City of Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM											
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			FACILITY		MATI	ON					
BUSINESS NAME (	Same as FACILITY NA	ME or DBA - Do	oing Business A	s) //	PODEI	W	PATTERN &	Four	NOPY CO	7, 3	
CHEMICAL LOCAT	- / / I	Bus	1 & 2			201	CHEMICAL LOCATE	TION (	CONFIDENTIAL	203	
	Buid	Day 1	7 2 2	11	1   M/	AP# (	☐ YES ☐ NO (optional) 203	GR	D# (optional)	203	
FACILITY ID #									2F, 3F	<u> </u>	
		п.	CHEMICA	L INFO	RMAT	OI	V		•		
CHEMICAL NAME	0					2015	TRADE SECRET		☐ Yes ☐	No 206	
COMMON NAME	Uxyges	· · · · · · · · · · · · · · · · · · ·				207	if Subject	to EPCI	lA, refer to instruction	208	
John William	Oxyres						EHS*		☐ Yes	□ No	
CAS#	778244	7				209	*If EHS is "Yes", al	l amou	nts below must b	e in lbs.	
FIRE CODE HAZAI	CLASSES (See pages 29	and 30 of this applican	ion)			 ·				210	
THE TRANSPORTER TO THE TAX TO THE									<del>-</del> 1 -	213	
HAZARDOUS MATER TYPE (Check one item o	puly) Xa PURE [	3 b. MIXTURE	C c. WASTE	211	RADIO	ACT	IVE □ Yes DXNo	21	2 CURIES	· · · · · · · · · · · · · · · · · · ·	
PHYSICAL STATE (Check one item only)   a. SOLID D b. LIQUID & c. GAS  214 LARGEST CONTAINER 304									: 		
FED HAZARD CATEGORIES (Check all that apply)											
AVERAGE DAILY AM		MAXIMUM DAI		218	ANNU	ÄL W	ASTE AMOUNT	219	STATE WASTE C	ODE	
-	300		690		<u> </u>			1 D	AYS ON SITE:	<del></del>	
UNITS* (Check one item only)	🖺 a. GALLON		FEET   c. P.	OUNDS Counds.	d. Ton	\$					
	ABOVE GROUND TANK UNDERGROUND TANK		NONMETALLIC		] i. FIBE ] j. BAG		RUM [] m. GLASS BO	TTLE	q. RAIL CAR	<b>,</b>	
	TANK INSIDE BUILDING	<del>-</del> -			L BOX		O. TOTE BIN				
	STEEL DRUM	C h. SILO					ER Dp. TANK WAG	SON		7273	
STORAGE PRESSURE	,		BOVE AMBIENT	, Пс	BELOV	W AM	ibient	<del></del>		224	
STORAGE TEMPERAT	URE 🗋 a. AMBIENT	b. AB	OVE AMBIENT		. BELO	V AM	IBIENT , D. C. CRY	OGENI	· ·	225	
%WT	HAZARDOUS CO	D TRANOPMC	For mixture or	waste on	ly)		EHS		CAS#	<u>.</u>	
1 100 226	Oxy	gen C	ompress		227	<u> </u>	ćes □ No 225	7	7824	47 219	
2 230	/				231	נם	fes 🗌 No 232			233	
3 234					235	נים	(es 🛘 No 236		,	257	
4 238					239	□ Y	res □ No 340			241	
5 242				. ,	243	☐ ¥	es No 244			245	
If more hazardous compone	ents are present at greater than	1% by weight if non-	carcinogenic, or 0.1	i by weight if	Carcinoge	कांट, ब	Nach additional sheets of pa	per capt	oring the required inf		
										246	
		t							TEEPCRA PI	ease Sion Here	

City of Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM											
Section IIA	: HAZAK	DUUS MAI	EKIALS IN			LEMICA	L DES	CKIPTI	UN FORM		
□ADD		DELETE	MRE	VISE	and the second second second	200			Page of		
			L FACILITY II	NFORMAT	NOI						
BUSINESS NAME (	Same as FACILIT	Y NAME or DBA -	Doing Business As)	MODELN	PATTERN	& Found	ary	Co. In	K. 3		
CHEMICAL LOCA		1 Buy 2	178			AL LOCAT					
	Building 1	1 009 2		1 1 1 2	IAP# (optimal)	□ NO	GRID#	(optional)	204		
FACILITY ID#						<u></u>	<u> </u>				
		I	I. CHEMICAL	NFORMA	TION						
CHEMICAL NAME	//c</td <td>(12</td> <td>dia Pres</td> <td>/_</td> <td>205 TRADE</td> <td></td> <td></td> <td></td> <td>No 206</td>	(12	dia Pres	/_	205 TRADE				No 206		
COMMON NAME	DITT CON	Smc Fre	notic Res.		207	If Subject t	b EPCRA, r	eler to insuratio	208		
CAS#	Kesin C	onted Sn	rd		EHS*		<u> </u>	☐ Yes	□ No		
CAS#			•			s "Yes", all	amounts i	below must			
FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)											
HAZARDOUS MATER TYPE (Check one item	IAL enly) [] 2. Pi	ure 🔏 6. MIXTURE	C. WASTE	211 RÁDI	OACTIVE CLY	:5 <b>(X</b> No	212	CURIES	213		
PHYSICAL STATE (Check one item only)		OLID () 6. LIQUID		784 LARO	JEST CONTAINE	· 8	0 16	5.	215		
FED HAZARD CATEGORIES (Check all that apply)  1 2. FIRE   b. REACTIVE   c. PRESSURE RELEASE   d. ACUTE HEALTH   e. CHRONIC HEALTH											
AVERAGE DAILY AM	OUNT 155.		CO.00/65.	ZIK ANN	UAL WASTE AMO	דאטכ	219   517	ATE WASTE	CODE 220		
UNITS* (Check one item only)	[] 2. G₂	ALLONS (1 b. CUB)	IC FEET & c. POU	NDS [] d. TO	NS	221	DAYS	ON SITE:	222		
	ABOVE GROUND UNDERGROUND	TANK 🗀 c. Plast Tank 🗀 f. Can	TC/NONMETALLIC DI	RUM (1. FLB (2. j. BA)	BER DRUM [] m.	GLASS BOT PLASTIC BI	TLE D	q. RAIL CA r. OTHER	R ·		
· -	TANK INSIDE BUIL	I	YC.	□ Ł BO		TOTE BIN	, ,				
	STEEL DRUM	O h. SILO	A DOUTE A S COVERNO			TANK WAG	JIN		223		
STORAGE PRESSURE		<del> </del>	ABOVE AMBIENT		W AMBIENT	T.4. 67377	-		724		
STORAGE TEMPERAT	<del>,                                      </del>		ABOVE AMBIENT	·····	THEIGHA WO	O 4. CRYO	JOENIC	C4.5.1	225		
%WT		1	(For mixture or wa	iste omy)	EIIS		_	CAS #			
1 226	PI	20/		227	☐ Yes 🗘 No	223			229		
2 250	-5111	lesol Ca, Cys	stalline	231	☐ Yes 🗷 No	232		.,.	233		
3 234				235	☐ Yes ☐ No	236	· · · · · · · · · · · · · · · · · · ·		237		
4 238				239	□ Yes □ No	240			241		
5 3:2			<b>S</b> 1	243	☐ Yes ☐ No				245		
If more hazardous compon	ents are present at great	ter than 1% by weight if m	on-carcinogenic, or 0.1% by	weight if carcino	enic, attach addition	al sheets of pap	er capturing	the required in	formation. 246		
									210		
					1/		I	EPCRA. P	lease Sign Here		

# City Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION FORM

	□DELETE	CIREVISE	200		Pageof				
	I. FA	CILITY INFORMATIO	)N		ļ				
BUSINESS NAME (S	me as FACILITY NAME or DBA - Doing B		PATTERN & FOW	vary co.	INC. 3				
CHEMICAL LOCATI	Buildin / Bong 3	/u 2u	CHEMICAL LOCATEPCRA	ION CONFIDENTIA	L 202				
FACILITY ID #		1 MA	P# (optional) 203	GRID# (optional)	204				
	П. СН	EMICAL INFORMATI	ON						
CHEMICAL NAME		20			] No 206				
COLGIONINAME	STEEL ALLOY .	20		to EPCRA, refer to instruction	208				
COMMON NAME	STEEL ALLOY :	EHS*	☐ Yes	□ No					
CAS#		20	*If EHS is "Yes", al	l amounts below must	be in lbs.				
FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)									
				are Campure	213				
HAZARDOUS MATERIA TYPE (Check one item or		WASTE 211 RADIOA	ACTIVE   Yes A No	212 CURIES	215				
PHYSICAL STATE (Check one item only)	a. SOLID □ b. LIQUID □ c.	GAS 214 LARGE	ST CONTAINER Z	2000					
FED HAZARD CATEGORIES (Check all that apply)  216  226 (Check all that apply)  2 a. FIRE   b. REACTIVE   c. PRESSURE RELEASE  d. ACUTE HEALTH  e. CHRONIC HEALTH									
AVERAGE DAILY AMOUNT 217 MAXIMUM DAILY AMOUNT 218 ANNUAL WASTE AMOUNT 219 STATE WASTE CODE 220 5000 /65. 40,000 /65.									
UNITS* (Check one item only)	a. GALLONS b. CUBIC FEET	£ c. POUNDS ☐ d. TONS	2	DAYS ON SITE	222				
STORAGE CONTAINER 2.4		METALLIC DRUM   i. FIBER	R DRUM [] m. GLASS BO	TTLE [] q. RAIL C. BOTTLE [] r. OTHER	AR				
	ANK INSIDE BUILDING 🛛 g. CARBOY	☐ Ł BOX							
JX d.	STEEL DRUM [] h. SILO	O I. CYL		JUN	223 (				
STORAGE PRESSURE	2 a. AMBIENT D b. ABOVI	· · · · · · · · · · · · · · · · · · ·							
STORAGE TEMPERAT	JRE AMBIENT D b. ABOVE	AMBIENT C. BELOW			225				
%WT	HAZARDOUS COMPONENT (For I	nixture or waste only)	EHS	CAS	#				
1 45 226	Iron	227	☐ Yes ☑ No 228	74402	213 229				
2 30 230	Nickel	231	☐ Yes Æ No 232	14282	-5 233				
3 20 234	Aluminum	235	☐ Yes Ø-No 236	74299	905 <sup>237</sup>				
4 238		239	☐ Yes ☐ No 240	. ,	241				
5 242			☐ Yes ☐ No 244		245				
If more hazardous compone	nts are present at greater than 1% by weight if non-carcin	ogenic, or 0.1% by weight if carcinoge	oic, attach additional sheets of p	aper capturing the required	information.				
·									
				if EPCRA.	Please Sign Here				
				······································					

Section IIA:		4305 S. San S MATERI	ta Fe Ave., Veri ALS INVE	non, CA NTOR	MMAX	IICAL	DESCRIPTION F	ORM
□ADD	Пря	(QDC	page per material per buildin	of ot stes)		200	Page_	
Ovno			CILITY INFOR	MATIO	4			
BUSINESS NAME (Sa	ame as FACILITY NAMI	·	<del></del>		THEN & FR	nus	ng CO. INC.	3 202
CHEMICAL LOCATI	Build.	1 By 3	Designati	11V	EPCRA  YES	NO	N CONFIDENTIAL  GRID# (optional)	204
FACILITY ID #				MAP	(optional)		5 <u>E</u>	
		п. сн	EMICAL INFO	RMATIC				
CHEMICAL NAME	CORE PA	57F		205	TRADE SEC		Yes No EPCRA, refer to instructions	206
COMMON NAME	CORE PAS ZIP STIC	:K		207	EHS*		☐ Yes ☐ N	
CAS#				209	*If EHS is "Y	es", all a	mounts below must be in I	bs. 210
FIRE CODE HAZAR	D CLASSES (See pages 29 m	nd 30 of this application)						210
HAZARDOUS MATERI TYPE (Check one item o	(AL only) 🔲 a. PURE	b. MEXTURE () c.	WASTE 211	RADIOA	CTIVE   Yes	⊒ No	212 CURIES	
PHYSICAL STATE (Check one item only)	a. SOLID A	© riónid □ o	. GAS 214	LARGES	r container	56	auon	
FED HAZARD CATEG (Check all that apply)	ORIES [] a. FIRE []	b. REACTIVE C	. PRESSURE RELEASI	3 🗆 d. A	CUTE HEALTH		RONIC HEALTH	i. V ≛ in
AVERAGE DAILY AM		MAXIMUM DAILY		ANNUAL	. WASTE AMOUN	T	STATE WASTE CODE	
8 5120	on	20 6	nuan	J	·	221	DAYS ON SITE:	-, · · ;
UNITS* (Check one item only)	a. GALLON	b. CUBIC FEE		d. TONS				<u>.</u>
STORAGE CONTAINER   2.	ABOVE GROUND TANK UNDERGROUND TANK		NMETALLIC DRUM	i. FIBER	L 11. F1	awiic bo	LE	• • .
	TANK INSIDE BUILDING	☐ g. CARBOY ☐ h. SILO		☐ L BOX	O. TO NDER 🗇 p. TA	OTE BIN NK WAGO	on .	22
	STEEL DRUM			c. BELOW				22.4
STORAGE PRESSURE STORAGE TEMPERAT	~ · · · · · · · · · · · · · · · · · · ·			c. BELOW		d. CRYO	GENIC	22:
%WT		<u> </u>	mixture or waste o	nly)	EHS		CAS#	
1 /0 226	Alm	nhum Sille	ente	227 [	] Yes 🗹 No	22B	1214467	22
2 55 230	511	nhum Sille i'can Dio	side	231 [	Yes 🗗 No	232	7631869	23
3 22 234	A	cetare		235 [	] Yes ⊅ No	236	67641	23
4 238				239 (	Yes No	240		2-
5 242				243 (	☐ Yes ☐ No	244		24

If EPCRA, Please Sign Here

246

242

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

City Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION FORM (one page per material per brilling or area)										
	□DHI.ETH			200	Page	of				
		L FACILITY INFOR	MATIO	N		ļ				
BUSINESS NAME (S	ame as FACILITY NAME or D	BA - Doing Business As)				3				
CHEMICAL LOCATI	ON Build /	Boy 3 14,24	201	CHEMICAL LOCAT	ION CONFIDENTIAL	202				
FACILITY ID#			1 MAF	(optional) 203	GRID# (optional)  5E, 5F	204				
·		II. CHEMICAL INFO	RMATI	ON						
CHEMICAL NAME			20:	]	Yes No	206				
COMMON NAME	ZIPSLIP	**	20		to EPCRA, refer to instructions  Yes No	208				
CAS#			20		amounts below must be in Ibs.					
FIRE CODE HAZAR	D CLASSES (See pages 29 and 30 of	this application)				210				
HAZARDOUS MATERI TYPE (Check one item or	AL aly) 🔲 a, PURE 🗎 b. MIX	CTURE   c. WASTE   211	RADIOA	CTIVE II Yes DYNo	212 CURIES	215				
PHYSICAL STATE (Check one item only)   B a. SOLID   b. LIQUID   c. GAS   214   LARGEST CONTAINER   5   GALLON										
FED HAZARD CATEGO (Check all that apply)	a. FIRE 1 b. RE	ACTIVE C c. PRESSURE RELEASE	i 13 d. A	ACUTE HEALTH (] e. C	CHRONIC HEALTH					
AVERAGE DAILY AMO	STALLOWS 217 MAXI	MUM DAILY AMOUNT 218 20 (SALLONS	ANNUA	L WASTE AMOUNT	219 STATE WASTE CODE	220				
UNITS* (Check one item only)	Ma. GALLONS □ 8	o, CUBIC FEET   c. POUNDS ( If EHS, amount must be in pounds.	d. Tons	Zi.	DAYS ON SITE:	722				
☐ b. 1	UNDERGROUND TANK 🔲 f.		] j. BAG	i) n. PLASTIC E	TILE   q. RAIL CAR COTTLE   r. OTHER					
_			] L BOX ] l. CYLII	o. Tote bin  nder [] p. Tank wag	SON	223				
STORAGE PRESSURE	a. AMBIENT	☐ b. ABOVE AMBIENT ☐ G	c. BELOW	AMBIENT		224				
STORAGE TEMPERAT		☐ b. ABOVE AMBIENT ☐	c. BELOW	AMBIENT [] d. CRY	OGENIC	225				
%WT	HAZARDOUS COMPO	NENT (For mixture or waste or	ıly)	EHS	CAS#					
1 226	Silicon	ı	227	] Yes [] No 228	7440213	229				
2 230	Silicon Heptun Alumin	e	231 [	] Yes □ No 232	7440213 142825 7429905	233				
3 234	Alumin	un	235	]Yes ☐ No 236	7429905	237				
4 238		·	239 [	] Yes □ No 240		241				
5 242				] Yes □ No 244		245				
If more hazardous compone	nts are present at greater than 1% by w	eight if non-carcinogenic, or 9.1% by weight	u carcinogeni	ic, attach additional sheets of pa	per expluring the pertured information.	246				
				ر ا						
,		*		V	TE EDOD A Blasco Sign	- TY				

#### INTRODUCTION

#### **A. REPORTING POLICY**

1. Please use the forms provided. Only information submitted on forms from this CUPA form package or State forms will be accepted.

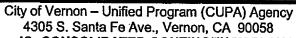
Note: If the State of California UPCF Form is used, we may request your business to provide additional locally collected information.

- 2. All forms may be photocopied if necessary. You also have the option of requesting electronic copies of the forms (Microsoft Word format) to complete for signing and submission.
- 3. Appropriate forms must bear an original signature(s).
- 4. Keep copies of your submitted documents for your records as proof of submission.
- 5. It is recommended that forms be sent via "Certified Mail" to ensure delivery by "Return Receipt".
- 6. Submit all completed forms to:

City of Vernon Health and Environmental Control Department 4305 S. Santa Fe Ave. Vernon, CA 90058

- 7. If you have any questions or need assistance, contact the City of Vernon Health Department at (323) 583-8811, extension 233, Monday through Thursday, 7 A.M. to 5:30 P.M.
- 8. Be advised that failure to submit required forms may result in fines, penalties and/or other administrative fees.

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## Section IC: CONSOLIDATED CONTINGENCY PLAN FORM Part II: UST EMERGENCY RESPONSE and MONITORING PLAN

<u> </u>	च्याचसंबद्धराज्य प्रदासंबद्धाराख्य । अन्यर	
1. If an unauthorized release occurs, hazard	ous substances will be cleaned up by	
RAFAEL GONZALEZ	UNITED RUMBING SERVI	UE
Som MELKEL		·
2. Agency notifications will be made as deta responsible for Underground Storage Tanks regulations.	(USTs) shall be notified as required b	an, and the local agency by state and local laws and
Local UST Agency City of Vernon	Phone (323)583 - 8811	4
3. The following persons are responsible for	authorizing work necessary under th	e response plan:
Name ROLLNO MECKEL	Title PRESIDENT	Phone 323-583-492/
Name JOHN MEULEL	Title V.P.	Phone 323-583-492/
Name  ROLINO MEULEL  Name  Name  RAFAEL GONZALEZ	Title PLANT MANAGER	Phone
Additional Persons		
4. The proposed methods and equipment to substances and cleanup wastes are the follows:	be used for removing and properly di wing:	sposing of hazardous
SWEEPING, SAM	ND, CONTANIONS USING	DISPOSAL SERVICE
5. The location and availability of the require	d cleanup equipment listed in item #4	is as follows:
Clean-up equipment 10	an	
	•	
6. The maintenance schedule for the cleanup	equipment is as follows:	77-14-1-1
Every months e	quipment is inspected	
2.45t Friday of	every month.	
7. Additional information:	·	1 This i
:		· ·
'		•

#### City of Vernon -Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section 1A: BUSINESS ACTIVITIES FORM

			<del></del>		· · · -	·				<u> </u>		<u> </u>	Page 1 of	
FACILITY ID #	I SAMETAI	<del></del>	I. ]	FAC	ILIT	Y IDE	NTI	FICAT	ION					
(Agency Use Only)									1	EPA II	) # (Ha	zardous W	aste Only)	
BUSINESS NAME (Same as I	acility Name	or DB	A-Doing E	usine	ss As)	1	non	EN P	PATTE	112	ieNE	nes i	مرا بسيد است	
								100 //	717 CAC	V & /Z	un z		O. INC. SINESS SITE AD	224AU
BUSINESS SITE CITY								-	-		104		ZIP CODE	103
- CONTROL OF THE CALL			П. /	ACT	TVIT	TES D	FCI	ARAT	TON			CA	105	
	]	TOP	E: If vo	ou c	heck	YES	to a	nv na	rt of thi	s list.				_
	_prease s	ubmi	t the Bi	ısin	ess C	)wner	/Op	erator	Identii	ication	page	е.		
A. HAZARDOUS MATE	Does your	асину	····					<u>I</u>	f Yes, ple	ase com	olete tl	iese page	of the UPCF	
Have on site (for any purpose) at any one time, hazardous materials at or above 5 gallons for liquids, 50 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?							The state of the s	<b>⊅</b> YEs	S 🗆 NO		IN	AZARDOŁ VENTORY SCRIPTIO	IS MATERIALS Y — CHEMICAL DN	
B. REGULATED SUBSTANCES  Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?									on <mark>⊠</mark>	4a	req ?Re	uirement, gulated Su	Hazardous Mater complete: ibstance Registrat ment Plan (if req	ion
C. UNDERGROUND STOR			STs)				·	``			US A)	T FACILI	TY (Formerly SWRCE	Form
Own or operate underground D. ABOVEGROUND PETF								☐ YES	мо 🕱	5	US'	TANK (	one page per tank) (For	merly
Store new or used petroleum with a total capacity of 1,320  E. HAZARDOUS WASTE	products in	shower	around to	nks o	г сод(	ainers		☐ YES	p≰ no	8			EQUIRED	
Generate hazardous waste?			:	*				☐ YES	⊠ ио	9	EPA	ID NUM	BER - provide at	the
Recycle more than 100 kg/mo materials (per HSC 25143.2)?	onth of exclu	ided or	exempte	d rec	yclabl	le		☐ YES	ГХ′ №	10	REC	of this pag	E MATERIALS	ł
Treat hazardous waste on-site	?						- 1	U 120	(2) 110	. 10	REI	ORT (one p	er recycler)	
								□ YES	Ø NO	11	ON-	EATMENT SITE HAZ	ZARDOUS WAS - FACILITY ZARDOUS WAS - UNIT (one page	re
Treatment subject to financial and Conditional Authorization	assurance re )?	quirer	nents (for	Pen	mit by	Rule		<b></b>	<b>/</b>	-	unit)	ጥበር ነው ለጥነ	ON OF FINANC	,,,,
Consolidate hazardous waste g	enerated at a	ı remo	te site?					□ 1E2	Ø NO	12	ASS	URANCE	ON OF FINANC	IAL
Need to report the closure/rem	ioval of a tai			sifiad	l ac			□ YES	🕱 ио	13	COV	IOTE WA ISOLIDAT IFICATIO	ION SITE ANNI	UAL
hazardous waste and cleaned o	n-site?		. was clas.	SILICO	ı as			□ YES	D NO	14	HA2 CLO	ARDOUS SURE CE	WASTE TANK RTIFICATION	
Generate in any single calendar or more of federal RCRA haza calendar month, or accumulate acute hazardous waste; or gene gg (220 pounds) of spill cleanu hazardous waste.	rdous waste at any time, rate or accu	, or ge , 1 kg mulate	enerate in (2.2 pour	any : ids) c	single of RC	RA	] [	⊒ YES	ю ф	l4a	Biem   13A/	nial Report B), and sat	EPA ID Number, (EPA Form 8700 isfy requirements uantity Generator	0-
Household Hazardous Waste (F	HW) Colle	ction s	ite?				_	) YES	⊠ NO	14ъ	Conta	ict Vernon	Health Departme	ent.
	*												<del></del>	

### City of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058

## **BUSINESS OWNER/OPERATOR IDENTIFICATION FORM**

	AMICAL		Pageof
I. IDENTIFIC			
FACILITY ID#	BEGINNING		ENDING DATE 101
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)		3 BUSINESS	
MODERN PATTERN & FOUNDRY CO.	INC.	(3	23) 583-4921
DOURILLOS SEED REPORTOS		103 BUSINESS	FAX
BUSINESS SITE CITY	104 CA	ZIP CODE	1
Vernon DUN & BRADSTREET		06 PRIMARY SIC	Los Angeles PRIMARY NAICS
DON W DAG DO LA LOS	• •	FRIMARI SIC	WINAKI NAICS
BUSINESS MAILING ADDRESS 5610 ALCOA AVE.		<u> </u>	
BUSINESS MAILING CITY  VERNON	. 10	8b STATE 108c	ZIP CODE
BUSINESS OPERATOR NAME ROLAND MELKEL	10	BUSINESS OPER 323 - 2	ATOR PHONE 583-4921
II. BUSINESS (	OWNER		
OWNER NAME - ROLAND MELKEL		OWNER PHONE	· · · · · · · · · · · · · · · · · · ·
5610. ALCOA AVE.			
OWNER MAILING CITY VERNON		STATE 115	ZIP CODE 90058
III. ENVIRONMENTA	AL CONTACT	<u> </u>	•
CONTACT NAME	11	CONTACT PHON	IE .
CONTACT MAILING ADDRESS	. 11	CONTACT EMAI	L
CONTACT MAILING CITY	12	20 STATE 121	ZIP CODE
-PRIMARY- IV. EMERGEN		CTS	-SECONDARY-
TITLE OWNER PRESIDENT	NAME	JOHN MEL	KEL
	TITLE	Vice Prisit	Lest
BUSINESS PHONE 323-583-492/	BUSINESS PH	ONE	
FX-6 Personal Privacy	24-HOUR PHO	X-6 Pers	onal Privacy
PAGER #	PAGER #	7. 0 1 010	oriai i mvaoy
ADDITIONAL LOCALLY COLLECTED INFORMATION:			
Conf. Conf.			
Certification: Based on my inquiry of those individuals responsible for obtaining the information familiar with the information submitted and believe the information is true, accurate, and compared to the information of the compared to the information of the compared to the information of the compared to the information of the compared to the compa	nation, I certify un omplete.	ider penalty of law that	I have personally examined and an
TO	ATE	NAME OF DOCUM	MELLEL
NAME OF SIGNER (print)  South MELKIEL  136 T	TLE OF SIGNER	VILLE Press	test /

0819901 0048 07/17/2008 001 ELRINES STATER RELIGION PROCKED BY

City of Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058

Section IC: CONSOLIDATED CONTINGENCY PLAN FORM

### RECEIVED

# **COVER PAGE**

			(1)(0)		
BUSINESS NAME MODERN PATTERN & FO	owie	CO IN	16.	3	FACILITY ID #1
SITE ADDRESS 5610 ALLOA AVE		103	CITY	104	ZIP CODE 105

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 And 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your-facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Part I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Part I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Parts I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Parts I and II, and Site Map(s)

A copy of the plan shall be submitted to the City of Vernon Health Department and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

PLAN :	CERTIFICATION
I certify under penalty of law that I have personally exa and to the best of my knowledge the information is accu	amined and I am familiar with the information provided by this plan
Printed Name of Owner/Operator	Title of Owner/Operator VICE PRESIDENT
Signature of Owner/ Operator X  SHAS MRUEL	Date 7/15/08
	1/15/00

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact the City of Vernon Health Department.

Reviewed By: 4/2/09/ 60)
Posted By: 45/2-09

City of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IC: CONSOLIDATED CONTINGENCY PLAN FORM

Part I: BUSINESS PLAN and CONTINGENCY PLAN

PART I: BUSINESS PLAN AND CONTINGENCY PLAN

		TINGLIGI FLA	
	<b>IDIEKINIE</b> GI	ATTOR	
BUSINESS NAME MODERN PATTERN & FOUND	py co.		3 FACILITY ID # 1
SITE ADDRESS  SLOID ALCOA AVE.	103	CITY /	104 ZIP CODE 105
II. EMERGE			7000
PRIMARY		SECONDAR	Υ
NAME ROLAND MELKEL 123	NAME	SOM MELLE	
TITLE President 124	TITLE	Vice Preside	129
BUSINESS PHONE 323-583-4921 125	BUSINESS F	PHONE 323-583-	492/ 130
24-HOUR PHONE FX-6 Personal Privacy 126	24-HOUR PI	ONE FX-6 Persona	
PAGER# [FX-6 Personal Privacy 127	PAGER#	FX-6 Personal F	Privacy 132
III. EMERCENCY RESPON	SE PLANS	AND PROCEDURE	8
	tifications		
	el, this Unified	Program Agency (CUP	A), and the Office of
AFTER the local emergency response personnel are notified, you s	hall then notify	the City of Vernon Unifie	d Program Agency
(CUPA) and the Office of Emergency Services.  City of Vernon CUPA: (323) 583-8811, Ext State Office of Emergency Service: (800) 852-7550 or (900) 424-8802	. 233		
Information to be provided during Notification	-		
Your Name and the Telephone Num		vou are calling.	
Exact address of the release or threa	tened release.	,	·
Date, time, cause, and type of incide			
Material and quantity of the release, to	o the extent kr	iown.	:
Current condition of the facility.			
Extent of injuries, if any.			
Possible hazards to public health and		· · · · · · · · · · · · · · · · · · ·	cility.
B. Emerge	ncy Medica	al Facility	
List the local emergency medical facility that will be used by your threatened release of hazardous material			lused by a release or
HOSPITAL/CLINIC: 911 or Clinic Tech	simed Ver	PHONE NO: (3)3) 584 (	5059
ADDRESS: 3364 E. Slauson AL	ue_		
HOSPITAL/CLINIC: 9/1 or Clinic Tech ADDRESS: 3364 E. Slauson AL CITY: VERNON et 90058	> .	ZIP CODE:	rei8

# City of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IC: CONSOLIDATED CONTINGENCY PLAN FORM

Part I: BUSINESS PLAN and CONTINGENCY PLAN

G. Emergency Procedures
Briefly describe your business standard operating procedures in the event of a release or threatened release of
hazardous materials:
1. PREVENTION (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials
present at your facility. What actions would your business take to prevent these hazards from occurring? You may
include a discussion of safety and storage procedures.
PROPER STORAGE
PROPER STOLAG  CHAINING  SECONDARY CONTAINMENT
SECONIDARIA CONTRA MODENT
220001110   00101111101   12101
2. MITIGATION (reduce the hazard) - Describe what is done to lessen the harm or the damage to person(s),
property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate
response to a leak, spill, fire, explosion, or airborne release at your business?
Drain
SAND
SAND TOVELS
"Dirt
3. ABATEMENT (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you
3. <b>ABATEMENT</b> (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?
CONTAIN AND CALL CONTRACTOR - LARGE SPILLS
CONTAIN AND ABSORTS - Dispose per Regulations.

City of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION FORM										
	(one page per material per omining or area)  200 Page o									
			FACILITY IN		ION					
BUSINESS NAME (Sa	me as FACILITY NAM									3
CHEMICAL LOCATION				2.4			L LOCATI	ON CON	NFIDENTIAL	202
	Build	Boy 3	ΙΝ,,				□ NÓ 203	्राष्ट्र	(optional)	204
FACILITY ID#				_   '   M	IAP# (opuo	ز لسب			(optional) E, 5F	
	1-7-20/5-1	IL C	HEMICAL I	NFORMA'	TION					
CHEMICAL NAME						RADE SË			☐ Yes ☐ No	206
		٠:			207		If Subject t	to EPCRA, 1	refer to instructions	208
COMMON NAME	ZIPSLIF	>	_		E	HS*			Yes 🗀	
CAS#			·		209	f EHS is	"Yes", all	amounts	below must be in	ībs.
FIRE CODE HAZARI	D CLASSES (See pages 29	and 30 of this application)	<b>)</b>			<u></u>				210
	A.V						-مد		OTTO TO	213
HAZARDOUS MATERIA TYPE (Check one item on		b. MIXTURE	c. WASTE	211 RADI	OACTIVE	. □Yes	No No	212	CURIES	215
PHYSICAL STATE (Check one item only)	🛚 a. SOLID (	з ь. шолю 🗖	c. GAS	214 LARC	GEST CON	ITAINER	5	GAL	LON	213
FED HAZARD CATEGO (Check all that apply)	ORIES () a. FIRE (	) b. REACTIVE []	c. PRESSURE RE	ELEASE O	I. ACUTE	HEALTH	I □ e.C	HRONIC 1	HEALTH	
AVERAGE DAILY AMO		MAXIMUM DAILY		218 ANN	UAL WAS	TE AMOU	TNC	219   ST	TATE WASTE COD	E 220
80	TALLONS	200	SALLANS				22	   DAY	S ON SITE:	722
UNITS* (Check one item only)	a. GALLON	S 0 b. CUBIC FE	ET c. POUI		NS .					
STORAGE CONTAINER  2. /	ABOVE GROUND TANK UNDERGROUND TANK		IONMETALLIC DE		SER DRUM G		JLASS BOT PLASTIC B	TLE [	q. RAIL CAR r. OTHER	:
0.1	TANK INSIDE BUILDING	☐ g. CARBOY		□ k.BC	ЭX	<b>□</b> o. ∵	TOTE BIN	٠.		
	STEEL DRUM	☐ h. SILO	Name Andrews		YLINDER		TANK WAG			223
STORAGE PRESSURE	a. AMBIEN		OVE AMBIENT	C. BELC			П 4 СТ	DGEr"^	<del></del>	224
STORAGE TEMPERATO			VE AMBIENT	C. BELO	JW AMBL		C) d. CRY	JUENIC	OAC "	<i>\(\delta\)</i>
%WT	HAZARDOUS CO		or mixture or w	aste only)		EHS			CAS#	
1 226	Sili	'con		227	☐ Yes	□ No	228	7	440213	229
2 230	Hep	thre	, - <del></del>	231	☐ Yes	No 🗆	232	14	440213 42825 29905	233
3 234	Alu	icon trae minum		- 235	☐ Yes	i □ No	236	74	29905	237
4 238				239	☐ Yes	. □ No	240	, <del></del>		241
5 242			<u> </u>	243	1	s 🗆 No	244	•		245
If more hazardous compone	nts are present at greater than	1% by weight if non-car	rcinogenic, or 0.1% h	y weight if carcino	ogenic, altac	ch additions	il sheets of pa	per capturi	ag the required inform	
							1			246
									If EPCRA, Please	e Sign Here

City Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

		(one page per material per build	quis or ares) -	200	· · · · · · · · · · · · · · · · · · ·	Page of
□ADD ·	CIDELETE	CIREVISE		200		786
		L FACILITY INFO	RMATIO	N		
BUSINESS NAME (Sa	me as FACILITY NAME or DBA -	Doing Business As) Mou	ERN PA	TITELY & Four	Dang CO. In	1C. 3
CHEMICAL LOCATI	ON Build. 1 Bu	43 Designa	ted IV	CHEMICAL LOCA EPCRA FI YES FI NO	TION CONFIDENTIA	1. 202
FACILITY ID #			1 MAP	(optional) 20	GRID# (optional)	204
	20061	II. CHEMICAL INFO	DRMATT(	ON'		
		II. CHEMICALITY	203		☐ Yes [	l No 206
CHEMICAL NAME	CORE PASTE	-a	_	lf Subje	et to EPCRA, refer to instructi	
COMMON NAME	CORE PASTE ZIP STICK		207	EHS*	☐ Yes	□ No
CAS#			209	*If EHS is "Yes",	ali amounts below must	be in lbs.
FIRE CODE HAZAR	O CLASSES (See pages 29 and 30 of this ap	plication)				
HAZARDOUS MATERL TYPE (Check one item or		E [] c. WASTE 21	RADIOA	CTIVE   Yes   No	212 CURIES	
PHYSICAL STATE (Check one item only)	[] a. SOLID A. LIQUID	□ c. GAS 21	LARGES	T CONTAINER 5	BALLON	
FED HAZARD CATEGO (Chock all that apply)	TOTEC	VE C. PRESSURE RELEAS	SE 🗆 d. A	CUTE HEALTH 🔲 e.	CHRONIC HEALTH	
AVERAGE DAILY AMO	1	DAILY AMOUNT 21	8 ANNUAL	. WASTE AMOUNT	219 STATE WASTI	CODE
8 6AZL	onl $2$	o ballow		·	ZI   DAYS ON SITE	<del></del>
UNITS* (Check one item only)	□ a. GALLONS □ b. CU	BIC FEET	🗆 d. TONS		DAYS ON SITE	• '.' •
STORAGE CONTAINER [] 2.	ABOVE GROUND TANK C. PLA	STIC/NONMETALLIC DRUM	i. FIBER	DRUM I III. GLASS B	OTTLE   q. RAIL C BOTTLE   r. OTHER	AR
-	TANK INSIDE BUILDING	·	☐ F BOX	O. TOTÈ BI NDER 🗇 p. TANK W		223
STORAGE PRESSURE		b. ABOVE AMBIENT	c. BELOW	AMBIENT		224
STORAGE TEMPERAT	URE 🔏 AMBIENT 🗆 b	ABOVE AMBIENT	c. BELOW	AMBIENT 🗆 d. CI	RYOGENIC	225
%WT	HAZARDOUS COMPONEN	NT (For mixture or waste	only)	EHS	CAS	#
1 /0 226	Alam hum	Sillente	227	Yes 12 No 228	121440	7 29
2 55 230	Alamhum Silican	Dioxide	231	Yes 2 No 232	763186	9 233
3 22 234	Acceta	ne	235	] Yes ⊅ No 236	676	237
4 238			239	] Yes □ No 240		241
5 242			1	] Yes □ No 244		245
If more hazardous compone	nts are present at greater than 1% by weight i	if non-carcinogenic, or 0.1% by weig	ht if carcinogen	ic, attach additional sheets of	paper capturing the required	
				V		246
				-	If EPCRA.	Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058
Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

Section 11/4.		(one page per material)		200	Page	of					
ΩάλD	□DELETE	CIREV	/ISE		1 0 50						
I. FACILITY INFORMATION											
BUSINESS NAME (Sa	me as FACILITY NAME or D	BA - Doing Business As)		PATTERN & FOU	vary co. In	1c. 3					
CHEMICAL LOCATION		Boy 3 / U	2 2U	EPCRA	TION CONFIDENTIAL	242					
	Building /	$\frac{2093}{911111111111111111111111111111111111$		P# (optional) 203	GRID# (optional)	204					
FACILITY ID #					5E 5F						
II. CHEMICAL INFORMATION											
CHEMICAL NAME	STEC. Allow		2	OS TRADE SECRET	Yes No	206					
COMMON NAME	STEEL ALLOY STAWLESS STE	161 (1818	2	07 EHS*	☐ Yes ☐	208 No					
CAS#	>14/NUESS 3/C	EU SUCH		*If EHS is "Yes", a	ill amounts below must be in	lbs.					
CIDE CODE HAZARI	D CLASSES (See pages 29 and 30 of	his application)				210					
FIRE CODE HAZARO	C CAMBOLO (oct pages av and 30 dt )					213					
HAZARDOUS MATERIA TYPE (Check one item or		TURE () c. WASTE	211 RADIO	ACTIVE YES NO	212 CURIES						
PHYSICAL STATE (Check one item only)	≥ 2. SOLID □ b. 110	UID 🖸 c. GAS	214 LARGE	ST CONTAINER	2000	215					
FED HAZARD CATEGO (Check all that apply)	PIEC	ACTIVE [] c. PRESSURE R	ELEASE 🗆 d.	ACUTE HEALTH   e.	CHRONIC HEALTH	216					
AVERAGE DAILY AMO		NUM DAILY AMOUNT		AL WASTE AMOUNT	219 STATE WASTE COD	E 220					
500	0 155.	40,000 lbs.			221   DAYS ON SITE:	712					
UNITS* (Check one item only)	🖸 a. GALLONS 🔲 b	CUBIC FEET & c. POU	NDS [] d. TON		DATE OF THE PARTY						
STORAGE CONTAINER 2.	ABOVE GROUND TANK C. c.	PLASTIC/NONMETALLIC D	RUM 🗀 i. FJBE 🗀 j. BAG	R DRUM 🔲 mL GLASS BO	OTTLE Q. RAIL CAR BOTTLE Dr. OTHER						
		CARBOY	☐ Ł BOX	Oo. TOTE BII	N						
<b>5</b> X d.	STEEL DRUM	SILO	☐ I' CXI	INDER   p. TANK WA	AGON	223					
STORAGE PRESSURE	2 a. AMBIENT	□ b. ABOVE AMBIENT	C. BELOV	V AMBIENT		224					
STORAGE TEMPERAT	URE AMBIENT	☐ b. ABOVE AMBIENT	C. BELOY	V ÁMBIENT 🔲 d. CR	LYOGENIC	22.5					
%WT	HAZARDOUS COMPO	NENT (For mixture or w	aste only)	EHS	CAS#						
1 45 226	Iron		227	☐ Yes ☑ No 228	744021.	3 229					
2 30 230	Iron Nickel Aluminu		231	☐ Yes Æ No 232	142825						
3 212 234	Aliandari	n	235	☐ Yes Ø-No 236	742,990	5 237					
4 238	. / 1 007117120		239	☐ Yes ☐ No 240		241					
5 242			243	☐ Yes ☐ No 244		245					
1	nis are present at greater than 1% by w	eight if non-carcinogenic, or 0.1%	by weight if carcinog	enic, attach additional sheets of	paper capturing the required inform	ation.					
						246					
					If EPCRA, Pleas	e Sign Here					
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City of Vernon Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058											
Section IIA	: HAZARDOUS	MATERIALS I	NVENT	ORY - C	HEMICA	AL DES	CRIPTION	FORM			
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	I. FACILITY INFORMATION										
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)  MODERN PATTERN & FOUNDARY CO. INC.											
CHEMICAL LOCA		172	TIOUCICA	201 CHEMI			TEIDENTIAL	202			
	Building 1 Bu	12 11		EPCRA YES							
FACILITY ID # 203 GRID# (optional)								104			
II. CHEMICAL INFORMATION											
CHEMICAL NAME											
COMMON NAME	Silicon South	Merolic ICES	in	207	If Subject	to EPCRA. A	eler to instructions	208			
CARE	Kesin Conted	Smd		EHS*			☐ Yes ☐	No			
CAS#				209 *If EHS	is "Yes", at	I amounts l	below must be in	ilbs.			
FIRE CODE HAZA	RD CLASSES (500 pagest 29 and 30 c	F this application)		<del> 1</del>				210			
HAZARDOUS MATER TYPE (Check one item		KTURE   c. WASTE	211 RAD	IOACTIVE [] Y	es px No	212	CURIES	213			
PHYSICAL STATE (Check one item only)	X 2. SOLID □ 6. LI	QUID 🗍 c. GAS	214 LAR	GEST CONTAINE	r g	0 16	5.	215			
FED HAZARD CATEG (Check all that apply)		ACTIVE () c PRESSURE	RELEASE D	i. ACUTE HEAL	III De C	THRONIC II	EALTH ~	216			
AVERAGE DAILY AM	OUNT 217 MAXI	5000.00/6s.		UAL WASTE AM	OUNT	219 STA	TE WASTE COD	E 220			
UNITS* (Check one item only) STORAGE	☐ 2. GALLONS ☐ 8	CUBIC FEET C. POU	INDS   d. TO	NS	77	DAYS	ON SITE:	222			
CONTAINER 2.	ABOVE GROUND TANK D.C. UNDERGROUND TANK D.C.	PLASTIC/NONMETALLIC D	RUM [] i. Fle	BER DRUM II m	GLASS BOT	TLE O	q. RAIL CAR				
		CARBOY	E E BO		TOTE BIN						
<del></del>		SILO		LINDER Dp.	TANK WAG	ON		223			
STORAGE PRESSURE		☐ b. ABOVE AMBIENT	C. BELO	W AMBIENT				224			
STORAGE TEMPERAT		☐ b. ABOVE AMBIENT		OW AMBIENT	□ 4. CRY	OGENIC		225			
%WT	HAZARDOUS COMPO	NENT (For mixture or w	aste only)	EHS			CAS#				
1 226	Phenol Silica, C	7	227	☐ Yes 🛱 N	223			229			
2 230	- Silica, C	rystalline	231	☐ Yes Ø N	) 232			233			
3 234			235	☐ Yes ☐ No	236			237			
4 235			239	🗋 Yes 🗌 No	240			241			
5 342			243	☐ Yes ☐ No	. 1			245			
if more hazardous cempene	nts are present at greater than 1% by we	ght if non-curvingenic, or 0.1% h	y weight if carcinos	enic, attach addition	al sheets of pap	er capturing (	the required informat				
								246			
·				1/		If	EPCRA, Please	Sign Here			

City of Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM										
Decrion IIA.		(ene para per material	per building or 2123	)		20	Page			
□ממגו	DELET							_		
L FACILITY INFORMATION										
BUSINESS NAME (S	ame as FACILITY NAME or	DBA - Doing Business As)	MODE		PATTERN	& Fo	endory Co.	3		
CHEMICAL LOCAT	CHEMICAL LOCATION  Build   Bry   & Z   CHEMICAL LOCATION CONFIDENTIAL PPCRA  PYES   NO									
FACILITY ID #			, 1 M	AP# (o			RID# (optional)  2F, 3F	204		
II. CHEMICAL INFORMATION										
CHEMICAL NAME	0			2015	TRADE SECRE	T	☐ Yes ☐ No	206		
COMMON NAME	Oxyges	:	i	207	irs	object to EP	CRA, refer to instructions	208		
COMMON NAME	Oxyres	•			EHS*		☐ Yes ☐ No			
CAS#	7782447		,	209	*If EHS is "Yes"	, all amo	nunts below must be in lbs.	210		
FIRE CODE HAZAR	D CLASSES (See pages 29 md 30 o	f this application)					•	210		
HAZARDOUS MATERI TYPE (Check one item o		XTURE   C   WASTE	211 RADIO	DACTI	VE CIYES DA	ľo.	212 CURIES	213		
PHYSICAL STATE (Check one item only)	a. solid db. U	QUID & c. GAS	214 LARG	EST C	ONTAINER	300	<i>†</i>			
FED HAZARD CATEGO (Check all that apply)		EACTIVE C. PRESSURE R	ELEASE () d.	. ACU	TE HEALTH	e. CHRC	NIC HEALTH			
AVERAGE DAILY AM	SOO MAX	MUM DAILY AMOUNT 690	218 ANNU	JAL W.	ASTE AMOUNT	319				
UNITS* (Check one item only)	🗆 a. GALLONS 📮	b. CUBIC FEET		45		221	DAYS ON SITE:			
STORAGE CONTAINER  3.	ABOVE GROUND TANK 🔲 o	. PLASTIC/NONMETALLIC DI CAN		ER DRI	UM [] m. GLASS	BOTTLE	Q. RAIL CAR LE □ r. OTHIR			
	_	CARBOY	□ £. 80	-	On. TOTE					
		SILO			R 🗆 p. TANK			223		
STORAGE PRESSURE	a. AMBIENT	h. ABOVE AMBIENT	☐ c. BELO			•		724		
STORAGE TEMPERAT	URE [] a. AMBIENT	b. Above ambient	C c. BELO	W AM	BIENT D.A.	CRYOGE		27.5		
%WT	·	NENT (For mixture or w			EHS		CAS #			
1 100 226	Oxygen	Compresse	227	D Y	es 🗆 No 👱	25 7	782447	229		
2 250	7 0		231	ПΥ	es 🗌 No 2	32		233		
3 294			235	□ Y	es 🗍 No 🗵	16		237		
4 23\$			239	□ Y	es 🛘 No 2-	:a		241		
5 2+2			243			14		245		
If more hazardous compens	nts are present at greater than 1% by w	right if non-carcinogenic, or 0.1% h	egh if carcino	स्तांट, या	tach additional sheets	of paper ca	ptoring the required information.	246		
						,				
							IFFPCRA Pleace Sign	Hera		

4305 S. Santa Fe Ave., Vernon, CA 90058											
Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM											
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	<u></u>				CYON	<u></u>	<u> </u>				
L FACILITY INFORMATION  BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)  3											
		VLE OF DBA - D	one presents vel	Mo	DEN P	TTERN	1 & For	WFIDENTIAL	0.		
CHEMICAL LOCAT	WALL BILG	.#1	IP.	1P	201 CHEM EPCR	A		VFIDENTIAL			
FACILITY ID #				1 7	MAP# (optional)	21	<sup>13</sup> GRID#	(optional)	204		
II. CHEMICAL INFORMATION											
CHEMICAL NAME	- 111					E SECRET	· · · · · · · · · · · · · · · · · · ·	□ Yes □	No 206		
COLUMN VINE	Nitrogen				207	lf Sebj	en to EPCRA, 1	refer to instructions	208		
COMMON NAME					EHS*			☐ Yes ☐	] No		
CAS#	7787	47 7	72733	7	209 *If El	IS is "Yes",	all amounts	below must be	in lbs.		
FIRE CODE HAZAF	D CLASSES (See pages 25	and 30 of this applica	rion)						210		
HAZARDOUS MATERI TYPE (Check one item o	IAL PURE I	) 5. MIXTURE	CI c. WASTE	211 RAD	OLOACTIVE C	] Yes X No	212	CURIES	213		
PHYSICAL STATE (Check one item only)	🗆 a. SOLID I	э ь. гтбато	Æ c. GAS	214 LAR	GEST CONTAI	NER 3	04,	FT3			
FED HAZARD CATEG (Check all that apply)		b. REACTIVE	C c. PRESSURE	RELEASE D	d. ACUTE HE	ALTH C e.	CHRONIC I	HEALTH			
AVERAGE DAILY AM		MAXIMUM DA	ILY AMOUNT F73	218 ANN	IUAL WASTE	TAUONT	319 ST	ATE WASTE CO	<b>J</b>		
UNITS* (Check one item only)	a. GALLON		FEET [] c. POI		ONS		221 DAY	s on site:			
	ABOVE GROUND TANK UNDERGROUND TANK	🗆 c. Plastic () f. can	CNONMETALLIC I	DRUM [] i. FU		m. GLASS B		q. RAIL CAR r. OTHER			
	TANK INSIDE BUILDING		?	□ĿB		o. TOTE BII					
Π¢	STEEL DRUM	C) h. SILO		jχ1. c	YLINDER [	p. TANK WA	AGON	······································	223		
STORAGE PRESSURE	a. AMBIEN	T (h. 2	ABOVE AMBIENT	C c. BEL	OW AMBIENT		<del></del> : •		224		
STORAGE TEMPERAT	URE DE AMBIENT	☐ b. A	BOVE AMBIENT	C) c. BEL	TREIBINA WO	□ d. CR	YOGENIC		225		
%WT	HAZARDOUS C	OMPONENT (	For mixture or v	vaste only)	E	IS		CAS#			
1 100 226	Nit	rozes		227	☐ Yes ☐	No 223	77	8244	7 229		
2 230		· .		23)	☐ Yes ☐	No 232	7	12/33	233		
3 234				235	☐ Yes ☐	No 235			237		
4 235	***			239	☐ Yes ☐	No 240			241		
5 342			. 1	243	□ y <sub>es</sub> □				245		
u more nazardous compens	nts are present at greater than	t a pl meight if non	-currinveenie, or 6.1%	ny weight if carcin	penic, altach add	ilional sheets of p	paper captoria;	g the required infor	mation.		
	•								270		
			Ì					f EPCRA. Plea	se Sion Here		

		City of Vernon – 4305 S. Santa	EA ATTO VOMO	m (*A (	ากกรร		There's	CHOSTOGRAPHICANT FOR	אגפור
Section IIA:	HAZARDOU	S MATERIA	LS INVEN per per material per building	TOR	Y – CHE		DES		بسميسه
∏ADD	Hα⊡	LFTE	CIREVISE			200		Page	_ of
		L FAC	ILITY INFORM	IATION					
BUSINESS NAME (S	ame as FACILITY NAM	E or DBA - Doing Bus	iness As) Mol	TERN F				co. Int.	3
CHEMICAL LOCATI	Building #	2-		201	CHEMICAL EPCRA TYES	LOCATION NO	ON CON	FIDENTIAL	202
FACILITY ID #			1	MAP#	(optional)		GRID#	(optional)	204
		T CHE	MICAL INFOR	MATIO	N				
CHEMICAL NAME		n, Cita		205	TRADE SEC	RET		Yes No	206
	Nickel	** ‡.		207		If Subject to	EPCRA, n	efer to instructions	208
COMMON NAME	Nickel			201	EHS*			☐ Yes ☐ No	,
CAS#	7647010	<b>5</b>		209	*If EHS is "	Yes", all a	mounts	below must be in lb.	
FIRE CODE HAZAR	D CLASSES (See pages 29 a								210
HAZARDOUS MATERI		b mixture □ c. W	ASTE 211	RADIOAC	TIVE 1 Yes	No	212	CURIES	213
TYPE (Check one item of PHYSICAL STATE (Check one item only)		/	214	LARGEST	CONTAINER	20	GAL	•	215
FED HAZARD CATEG (Check all that apply)	ODIES	b. REACTIVE C c. Pi		□ d. AC	CUTE HEALTH	☐ e. CH	RONIC I	HEALTH	216
AVERAGE DAILY AM		MAXIMUM DAILY AM		ANNUAL	WASTE AMOU	NT :	219   ST	ATE WASTE CODE	220
12		20				221	DAY	S ON SITE:	222
UNITS* (Check one item only)	ø a. GALLON	b. CUBIC FEET	c. POUNDS I	d. TONS					
STORAGE CONTAINER [] 2.	ABOVE GROUND TANK UNDERGROUND TANK	C c. PLASTIC/NONM	ETALLIC DRUM	i. FIBER I j. BAG	ORUM [] nt. Gi	LASS BOTT LASTIC BO	TE C	q. RAIL CAR r. OTHER	
□,c.	TANK INSIDE BUILDING	g. CARBOY		k. BOX	<del></del>	OTE BIN			
	STEEL DRUM	() F 21TO		L CYLIN		NK WAGO	<u>-</u>		223
STORAGE PRESSURE				BELOW A		7 4 603/0	OFNIG		225
STORAGE TEMPERAT		□ b. ABOVE A		BELOW A	· · · · · · · · · · · · · · · · · · ·	d. CRYC	OEMIC	CAS#	
%WT	·	MPONENT (For mi			EHS			CAS#	
1 90 216	Nicke	/		227 🗆	Yes   No	228		7647010	229
2 3 230	Nicke	1 1 Oxide Yous Oxid		231 🗆	Yes   No	232	<u>.</u>		233
3 2 234	Cobas	Hous Oxid	<u>le</u>	235	Yes 🗌 No	236			237
4 238				239 🛘	Yes 🗌 No	240			241
5 242					Yes No	244	-1 12 1 A T	on the countried informers:	245
If more hazardous compon	costs are present at greater than	1% by weight if non-curcinog	enic, or 0.1% by weight if	carcinogenic	, attach additional	sneers of pap	er capturi	nk rue redonso miotigare	246
		V			•			If EPCRA, Please S	ign Here

City S. Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION FORM

December 11111		(one page per material per	building or area)	<del>,</del>	200	Page of	f
□ADD	□DELETE	CIREVIS	E		200		
		I. FACILITY INF	ORMATI	ON		•	
BUSINESS NAME (S	ame as FACILITY NAME or DBA -	Doing Business As)	MODERN	PATTERN'S	Farvaray	CO. INC	3
CHEMICAL LOCATI	ON 3.// 1.7			OI CHEMICAL I EPCRA	OCATION CO	VEIDENTIAL	202
<u> </u>	twee Brilding 1 & B.	Wilding L	I I MA	P# (optional)	NO GRID#	(optional)	204
FACILITY ID #						8E	
	ĭ	I. CHEMICAL IN	FORMAT	ION			
CHEMICAL NAME	11 011		2	03 TRADE SECR		Yes No	206
COMMON NAME	Tydrogen Chloride.	÷		.07	f Subject to EPCRA.		208
COMMON NAME	Hydrogen Chlorida Muriatic ACIO			EHS*		☐ Yes ☐ No	
CAS#	764710			*If EHS is "Y	es", all amounts	below must be in lbs.	
FIRE CODE HAZAR	D CLASSES (See pages 29 and 30 of this app	lication)					210
HAZARDOUS MATERI	A1.		211 RADIO	ACTIVE 1 Yes A	No 212	CURIES	213
TYPE (Check one item o	aty) A R. PURE D B. MIXTURE	C C WASTE	ZII KADIO				215
PHYSICAL STATE (Check one item only)	□ a. SOLID A b. LIQUID	C. GAS	214 LARGI	EST CONTAINER	16ALLO	<b>√</b>	216
FED HAZARD CATEG (Check all that apply)	ORIES  2. FIRE  b. REACTIV	E C c. PRESSURE REU	EASE 🗍 d.	ACUTE HEALTH	e. CHRONIC	HEALTH	
AVERAGE DAILY AM		DAILY AMOUNT	218 ANNU	AL WASTE AMOUNT	219 5	TATE WASTE CODE	220
12,	00 GALLON 2	O Gallons			221 DAY	'S ON SITE:	222
UNITS* (Check one item only)	a. GALLONS b. CUE	RIC FEET	S d. TON	s 			
STORAGE CONTAINER 2.	ABOVE GROUND TANK	TIC/NONMETALLIC DRU	M [] i. FIBE	R DRUM 🗎 m. GL	ASS BOTTLE ( ASTIC BOTTLE (	☐ q. RAIL CAR ☐ r. OTHER	
0.	TANK INSIDE BUILDING 🔲 g. CARE	KOY	☐ Ł BOX				
□d	STEEL DRUM [] h. SILO		☐ l CYI	INDER Dp. TAN	IK WAGON		223
STORAGE PRESSURE	Ø a. AMBIENT □ b	, ABOVE AMBIENT	C. BELOV	W AMBIENT			224
STORAGE TEMPERAT		ABOVE AMBIENT	C c. BELOY	V AMBIENT []	d. CRYOGENIC	**	225
%WT	HAZARDOUS COMPONEN	T (For mixture or was	te only)	EHS		CAS#	
1 99 226	Hydrogen C	hloride	227	Yes   No	228 76	47010	229
2 230		·	231	☐ Yes ☐ No	232		233
3 234		•	235	☐ Yes ☐ No	236		237
4 238			239	□ Yes □ No	240		241
5 242			243	☐ Yes ☐ No	244		245
If more hazardous compon	tents are present at greater than 1% by weight if	non-carcinogenic, or 0.1% by	veight if carcinog	enic, attach additional sh	ects of paper captur	ing the required information.	246
	· .						
							<b>-</b>
						If EPCRA, Please Sign	Here

City of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA:	HAZARDOUS MATE	(one page per material per building or area)	KI - CHEWICA	L DESCRIT HON FOR	
	CDHLETE .	□REVISE	200	Page of	=
	I. ]	FACILITY INFORMATION	ON	·	
BUSINESS NAME (S	nme as FACILITY NAME or DBA - Doin	g Business As)	PATTERN & Four	way lo.	3
CHEMICAL LOCATI	ON NORTHWALL Building	5#2 Designated 2	OI CHEMICAL LOCA EPCRA YES NO	HON CONTIDENTIAL	202
FACILITY ID #		1 MA	AP# (optional) 203	GRID# (optional)	204
	п. с	CHEMICAL INFORMAT	ION		
CHEMICAL NAME	RD - MOLYBDENUM:		TRADE SECRET	to EPCRA, refer to instructions	206
COMMON NAME	RO-MOLYBDENUM: MOLYBDENUM		EHS*	☐ Yes ☐ No	208
CAS#			*If EHS is "Yes", a	Il amounts below must be in lbs.	:
FIRE CODE HAZAR	D CLASSES (See pages 29 and 30 of this application	a)			
HAZARDOUS MATERI TYPE (Check one item o		c. WASTE 211 RADIO	ACTIVE DYS No	212 CURIES	
PHYSICAL STATE (Check one item only)	a. SOLID II b. LIQUID	c. GAS 214 LARGE	EST CONTAINER	200 lbs .	
FED HAZARD CATEGO (Check all that apply)	ORIES a. FIRE b. REACTIVE	c. PRESSURE RELEASE () d.	ACUTE HEALTH 🔲 e.		
AVERAGE DAILY AM		YAMOUNT 218 ANNU	AL WASTE AMOUNT	219 STATE WASTE CODE	: ار دا
UNITS*				DAYS ON SITE:	222
		NONMETALLIC DRUM   i. FIBE	R DRUM 🔲 m. GLASS BC	TTLE  q. RAIL CAR BOTTLE  r. OTHER	
	TANK INSIDE BUILDING	<b>JZ( 1:</b> BOX	C O. TOTE BIN		
Πď	STEEL DRUM	[] I. CYI	LINDER Dp. TANK WA		223
STORAGE PRESSURE	a. AMBIENT D b. AB	OVE AMBIENT C. BELOV	W AMBIENT		224
STORAGE TEMPERAT	URE 2. AMBIENT 🗆 b. ABO	OVE AMBIENT C. BELOV	W AMBIENT [] d. CR	YOGENIC	225
%WT	HAZARDOUS COMPONENT (F	or mixture or waste only)	EHS	CAS#	
1 55 226	Molybdenum	227	☐ Yes 🗷 No 228		229
2 32 230	Molybdenum Iron Silican	231	☐ Yes 🗷 No 232		233
3 2 234	Silicon	235	☐ Yes 🔀 No 236		237
4 238		239	☐ Yes ☐ No 248		241
5 242		243	☐ Yes ☐ No 244		245
If more hazardous compon	ents are present at greater than 1% by weight if non-co	arcinogenic, or 0.1% by weight if carcinog	enic, attach additional sheets of p	paper capturing the required information.	246
		V		If EPCRA, Please Sign H	lere

#### City or Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 IS MATERIALS INVENTORY — CHE

4505 S. Sama Fe Ave., Vernon, CA 50056

n IIA · HAZARDOUS MATERIALS INVENTORY — CHEMICAL DESCRIPTION FORM

םמא⊡	□DELETE.	CIREVISE			200		Page	of
		FACILITY INFOR	MATIO	N .				
BUSINESS NAME (S	ame as FACILITY NAME or DBA - Do	· Duckness As			& Four	NORY	16. INC.	3
CHEMICAL LOCATI	BULDING#2 De	signated 117	201	EPCRA	LOCATI	ON CON	<i>CO. TNC</i> IFIDENTIAL	
FACILITY ID #			I MAP	(optional)	203	GRID#	(optional)	204
•	II.	CHEMICAL INFO	RMATIC	ON				
CHEMICAL NAME	FERRO CHROME.		205	TRADE SEC		•	Yes No	206
COMMON NAME	FERRO CHROME.  METAL ALLOY		207	EHS*			☐ Yes ☐ No	208
CAS#	,		209	*If EHS is *	Yes", all	amounts	below must be in lbs	• ,
FIRE CODE HAZAR	D CLASSES (See pages 29 and 30 of this applicat	tion)		1:				210
HAZARDOUS MATERI TYPE (Check one item of		□ c. WASTE 211	RADIOAC	CTIVE   Yes	Ø(No	212	CURIES	213
PHYSICAL STATE (Check one item only)	<b>д</b> (а, solid ∰ь, гіquid	[] c. GAS 214	LARGEST	CONTAINER	20	00		·
FED HAZARD CATEGO (Check all that apply)	ORIES  a. FIRE b. REACTIVE	C. PRESSURE RELEASE	i □ d. A	CUTE HEALTH	□ e. Cŧ	ironic i	IEALTH	4.
AVERAGE DAILY AMO 3000		ILY AMOUNT ZIE	ANNUAL	WASTE AMOU	NT	219 ST	ATE WASTE CODE	2.
UNITS* (Check one item only)	🗋 a, GALLONS 🔲 b. CUBIÇ	FEET (1 c. POUNDS tount must be in pounds.	d. TONS	,	221	DAY	S ON SITE:	<del></del> ;
STORAGE CONTAINER 2	UNDERGROUND TANK 🔲 f. CAN		i. Fiber ! j. Bag	_ n. P.	LASS BOT LASTIC BO OTE BIN	TLE D	q. RAIL CAR r. OTHER	:
•	TANK INSIDE BUILDING ☐ g. CARBOY STEEL DRUM ☐ L. SILO		] I. CALTIN	<del></del>	NK WAGO	N		223
STORAGE PRESSURE	£2√a. AMBIENT □ b. A	ABOVE AMBIENT	c. BELOW A	MBIENT				224
STORAGE TEMPERAT	URE D'a. AMBIENT [] b. AE	BOVE AMBIENT	c. BELOW	AMBIENT (	d. CRYC	GENIC		225
%WT	HAZARDOUS COMPONENT (	For mixture or waste or	ıly)	EHS			CAS#	
1 70 226	CHROMIUM) IRON		227	Yes 🗌 No	228	744	10213	229
2 30 230	IRON		231	Yes 🗌 No	232	74:	10213 39896	233
3 (234			235	Yes 🗌 No	236			237
4 238			239	Yes 🗌 No	240			241
5 242				Yes No	244			245
If more hazardous compone	nts are present at greater than 1% by weight if non-	-carcinogenic, or 0.1% by weight	u carcinogenio	, attach additional :	meets of pap	er capturin	g ene required illiormation	245
,								

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058
Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

Decrion Ivy	IIAZAKDOC	NO THAT I	(one page per material)	er building o	( nes)					
□ADD	מם	eletr	CIREV	TSE			200	•	Page	of
			FACILITY IN	FORM	ATION	·				
BUSINESS NAME (S	ame as FACILITY NAM	IE or DBA - Do	ing Business As)	MODE	WTA				O. In	
CHEMICAL LOCAT	/				201	CHEMICAL EPCRA	LOCAT	ON CON	FIDENTIAL	202
Bnild	14g#2	1 1822			MAP#	YES [	NO 203	GRID#	(optional)	204
FACILITY ID #									9F	· · · · · · · · · · · · · · · · · · ·
		п.	CHEMICAL I	NFORM	ATIO	N			•	,
CHEMICAL NAME	STEEL AL	104 -			205	TRADE SEC		-	Yes No	206
COMMON NAME	STEEL AL LOW CARBON	IRON			207	EHS*			☐ Yes ☐ N	
CAS#					209	*If EHS is "	Yes", all	amounts	below must be in	
FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)										
HAZARDOUS MATERI TYPE (Check one item or		b. MIXTURE	C) c. WASTE	211 F	RADIOACT	ΠVE □ Yα,	No No	212	CURIES	213
PHYSICAL STATE (Check one item only)	DE a. SOLID [	Th LIOUID	[] c. GAS	214 I	ARGEST	CONTAINER	. 40	00/6	۶.	215
FED HAZARD CATEGO (Check all that apply)	PIES		☐ c. PRESSURE RE	LEASE	□ d. AC	UTE HEALTH	<del>`</del> _			216
AVERAGE DAILY AM	OUNT 217	MAXIMUM DA	ILY AMOUNT	218	NNUAL V	WASTE AMOU	रा	219 ST.	ATE WASTE CODE	220
5000 15	s	12,000	1.00 lbs.			·				222
UNITS* (Check one item only)	[] a. GALLON		FEET [] c. POU)		. TONS		22	DAY	S ON SILE:	
	ABOVE GROUND TANK UNDERGROUND TANK	e, Plastic	NONMETALLIC DE	UM D	. FIBER D . BAG	RUM [] m. Gi	LASS BOT LASTIC B	TLE []	q. RAIL CAR r. OTHER	
	TANK INSIDE BUILDING			_	k. BOX	<del>-</del>	OTE BIN	•		
₹(d.	STEEL DRUM	☐ h. SILO			L CYLINE	DER Elp. TA	NK WAG	ON		223
STORAGE PRESSURE	∫X a. AMBIEN		BOVE AMBIENT		BELOW A					224
STORAGE TEMPERAT	••		OVE AMBIENT		BELOW AI		d. CRY	OGENIC	O. D. #	225
%WT	HAZARDOUS C	OMPONENT (	For mixture or wa	aste only)	)  -	EHS			CAS#	
1 226	IR	·~			227	Yes 🛛 No	228	74.	39987	229
2 230	MANG	ANESE			231 🗆	Yes 🗷 No	232	74	3 9896	233
3 234	CAIS (	CARBON	REALTIVE		235	Yes 🗷 No	236	74	40213	237
4 238			REALTIVE		239	Yes   No	240			241
5 242					243	Yes □ No	244			245
If more hazardous compone	nts are present at greater than	1% by weight if non-	carcinogenic, or 0.1% hy	y weight if c	arcinogenic,	allach additional :	shects of pa	per capturid	g the required informa	
							. /			246
							·	]	f EPCRA, Please	Sign Here

Section IIA. HA		non – Unified Frogra . Santa Fe Ave., Veri ERIALS INVEI	non. CA 9	90058	L DESCRIPTION	v form
		(one page per material per buildin	ig of area)	200		age of
CIADD	□DRI.ETE	CIREVISE	** * ****			
		FACILITY INFOR	MATION	l		3
BUSINESS NAME (Same as	FACILITY NAME or DBA - Do	oing Husiness As)  Navier	CN PATT	FRN & FOUNDER	yco. INC.	
CHEMICAL LOCATION	1.7 - 7		201	CHEMICAL LOCATE	ON CONFIDENTIAL	202
Building	Bay 3 /	15. IK & 2K	] ] MAD#	YES NO (optional) 203	GRID# (optional)	204
FACILITY ID #			MAKE	(Aluman)	Cameri (vynomi)	
	П.	CHEMICAL INFO	RMATIO	N		
CHEMICAL NAME	CARRARIA A.		205	TRADÉ SECRET	Yes 1	No 206
COMMON NAME	SOPROPYL ALL	OHOL	207	<u>-</u>	to EPCRA, refer to instructions	208
COMMON NAME	, , , , , , , , , , , , , , , , , , ,			EHS*	☐ Yes □	] No
CAS# 67	1630		209	*If EHS is "Yes", all	amounts below must be	
FIRE CODE HAZARD CLA	SSES (See pages 29 and 30 of this applican	tion)				210
HAZARDOUS MATERIAL TYPE (Check one item only)	O a. PURE () b. MIXTURE	C) c. WASTE 211	RADIOACT	TIVE 1 Yes A No	212 CURIES	
PHYSICAL STATE	O - CALID OL TION	C GAS 214	LARGEST	CONTAINER 5 2		
(Check one item only) FED HAZARD CATEGORIES	a. SOLID Db. LIQUID	LJ C. GAS	<u> </u>			
(Check all that apply)	2. FIRE Db. REACTIVE			UTE HEALTH 🖸 e. CI		
AVERAGE DAILY AMOUNT  SO GAL	217 MAXIMUM DA	JLY AMOUNT 218	ANNUAL	WASTE AMOUNT	219 STATE WASTE CO	JUE
UNITS*	Xa GALLONS □ b. CUBIC	FEET [] c. POUNDS []	d. TONS	221	DAYS ON SITE:	
(Check one item only) STORAGE CONTAINER   2. ABOVE		C/NONMETALLIC DRUM C	] i. Fiber D	RUM [] III. GLASS BOT	TLE Q. RAIL CAR	· · ·
☐ b. UNDER	GROUND TANK 🔲 f. CAN		j. BAG l k. BOX	□ n. PLASTIC BO	OTTLE [] i. OTHER	
□ d. STEEL	NSIDE BUILDING		] I. CYLIND		ON	223
STORAGE PRESSURE		ABOVE AMBIENT   c	BELOW A	MBIENT		224
STORAGE TEMPERATURE	AMBIENT D b. AI	BOVE AMBIENT 🔲 c	BELOW A	MBIENT [] d. CRYC	OGENIC	225
%WT HA	AZARDOUS COMPONENT (	For mixture or waste on	ly)	EHS	CAS#	
1 /00 226	ISOPROPYL ALL	COHOL	227	Yes 🖟 No 228	67630	229
2 230			231	Yes		233
3 234			235	Yes   No 236		237
4 238			239	Yes □ No 240		241
5 242			243	Yes No 244		245
If more hazardous components are pr	resent at greater than 1% by weight if non-	-carcinogenic, or 0.1% by weight i	if carcinogenic,	attach additional sheets of par	er capturing the required info	
						246
		/			If EPCRA, Plea	ase Sign Here
City of Vernon CUPA: Appli	_	27			Last Update	ed: 5/2008

# City of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058

[]ADD ··	□DHI.ETE	(one page per material per build			200		Page	of
		L FACILITY INFOR	MATIO	٧				
BUSINESS NAME (Sa	me as FACILITY NAME or DBA -	- Doing Rusiness As)			Four	NDRO	y Co. INC	<u> </u>
CHEMICAL LOCATIO	uilding #1 Bay		201	CHEMICAI EPCRA			VEIDENTIAL	202
FACILITY ID #				(optional)	203		(optional) PE & 86	204
		II. CHEMICAL INFO	RMATIO	N				
CHEMICAL NAME	Silve Dievile	· ·	205	TRADE SEC			☐ Yes ☐ No	206
COMMON NAME	Silicon Dioxide Fused Silica	- 1.	207	EHS*	II Subject	to EPCRA,	refer to instructions  Yes N	208 To
CAS#	7631869		209	*If EHS is "	Yes", all	amounts	below must be in I	bs.
FIRE CODE HAZARI	O CLASSES (See pages 29 and 30 of this app	plication)		<u>1 :</u>				
HAZARDOUS MATERIA TYPE (Check one item onl		E [] c. WASTE 211	RADIOAC	TIVE   Yes	Á(No	212	CURIES	
PHYSICAL STATE (Check one item only)	Æ a. SOLID □ b. LIQUID	□ c. GAS 214	LARGEST	CONTAINER	55	-		. =
FED HAZARD CATEGOR (Check all that apply)	RIES   a, FIRE   b, REACTIV	VE 🔲 c. PRESSURE RELEASE	□ d. AC	UTE HEALTH	e. C	HRONIC I	lealth	
AVERAGE DAILY AMOU	<i>i</i> 1	DAILY AMOUNT 218	ANNUAL	WASTE AMOU	TY	219 ST	ATE WASTE CODE	<del></del> ' *'
	00/bs. $22$	2,000 /25.	<u> </u>	· · · · · · · · · · · · · · · · · · ·	22	DAY!	S ON SITE:	
UNITS* (Check one item only) STORAGE	☐ a. GALLONS ☐ b. CUE * If EHS.	BIC FEET X c. POUNDS C. amount must be in pounds.	d. TONS	· ·				
CONTAINER 2. Al	BOVE GROUND TANK	TIC/NONMETALLIC DRUM	) i. Fiber d K.j. Bag	RUM 🗍 m. Gl	LASS BOT LASTIC B	TLE	q. RAIL CAR r. OTHER	
	ANK INSIDE BUILDING		L BOX		OTE BIN	OM		
STORAGE PRESSURE	2	· · · · · · · · · · · · · · · · · · ·	BELOW A		INK WAG			223
STORAGE PRESSURE STORAGE TEMPERATUI		<u> </u>	BELOW AI		d. CRY	ОСЕМЬ		224
%WT	HAZARDOUS COMPONEN		<del></del>	EHS	, u. CKY		CAS#	
1 90, 226	Silica Crys		-	Yes 🗷 No	228	——————————————————————————————————————		229
2 230	Sinca Crys	14/1/12		Yes   No	232	16	31867	233
3 234				Yes   No	236			237
4 238		· · · · · · · · · · · · · · · · · · ·		Yes   No	240			241
5 242	-			Yes   No	244	<del>/</del>		
	s are present at greater than 1% by weight if r	non-curcinogenic, or 0.1% by weight is	1			er capturing	the required information	245
			·	$\overline{}$		<u>-</u>		246
			j			ν.	f EPCRA, Please S	· 71

# City of Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

	(one page per material per building or area)		·						
□ADD	□DELETE □REVISE	200	Page of						
	L FACILITY INFORMATION	N							
BUSINESS NAME	Same as FACILITY NAME or DBA - Doing Business As)	PATTEKN & FO	univery co. INC.						
CHEMICAL LOCA			TON CONFIDENTIAL 202						
FACILITY ID #		P# (optional) 203	GRID# (optional) 204						
	II. CHEMICAL INFORMATI	ON							
CHEMICAL NAME	France 5 1/2 111 6	TRADE SECRET	☐ Yes ☐ No 206						
COMMON NAME	FERRO Silicon Alloys		to EPCRA, refer to instructions 208						
		EHS*	☐ Yes ☐ No						
CAS#	20		amounts below must be in lbs.						
FIRE CODE HAZA	RD CLASSES (See pages 29 and 30 of this application)	<u> </u>	210						
HAZARDOUS MATER		CTIVE DYes 10 No	212 CURIES 213						
PHYSICAL STATE (Check one item only)	M a. SOLID □ b. LIQUID □ c. GAS 214 LARGES	ST CONTAINER 4	100/bs.						
FED HAZARD CATEO (Check all that apply)	ORIES	ACUTE HEALTH (1 c. C	216						
AVERAGE DAILY AN	AVERAGE DAILY AMOUNT 217   MAXIMUM DAILY AMOUNT 218   ANNUAL WASTE AMOUNT 219   STATE WASTE CODE 220								
1200	.00 lbs. 10,000 lbs.								
UNITS* (Check one item only)	☐ a. GALLONS ☐ b. CUBIC FEET  c. POUNDS ☐ d. TONS  * If EHS, amount must be in pounds.	2	DAYS ON SITE: 222						
	ABOVE GROUND TANK  O c. PLASTIC/NONMETALLIC DRUM  O i. FIBER UNDERGROUND TANK  C) f. CAN  O j. BAG	DRUM [] m. GLASS BOT	TLE [] q. RAIL CAR OTTLE [] r. OTHER						
<b>\</b>	TANK INSIDE BUILDING	O. TOTE BIN							
	STEEL DRUM Ch. SILO CYLIN								
STORAGE PRESSURI	2,1	AMBIENT	224						
STORAGE TEMPERA	TURE 2/32. AMBIENT   b. ABOVE AMBIENT   c. BELOW.	AMBIENT d. CRY	OGENIC 225						
%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS#						
1 90 26	Silicon 227 [	] Yes [] No 228	7440213 229						
2 10 230	Silicon 27 E	] Yes □ No 232	7440213 <sup>229</sup> 7439896 <sup>233</sup>						
3 234	235	] Yes 🗌 No 236	237						
4 238	239	Yes No 240	241						
5 242	·	Yes No 244	. 245						
If more hazardous compon	unts are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic	c, attach additional sheets of pap							
			246						
	V								
			If EPCRA, Please Sign Here						

		City of Vernon – U 4305 S. Santa	Jnified Program Fe Ave., Verno					
Section IIA	: HAZARDOU	IS MATERIA	LS INVEN	TOR	Y – СН	EMICA	L DESCRIPTION	ON FORM
□VDD	מם 🗆	RLETR	<b>TIREVISE</b>			200		Page of
		L FACI	LITY INFORM	ATION	1			
BUSINESS NAME (	Same as FACILITY NAM	IE or DBA - Doing Busin	ness As) MOOERA	1 PATT	TERN &	FOUND	Ry CO. INC	3
CHEMICAL LOCAT				201	CHEMICA		ON CONFIDENTIAL	
	16	•			EPCRA  YES	ON K		
FACILITY ID #			1	MAP#	(optional)	203	GRID# (optional)  8 F Des	whel 15
<u> </u>		II. CHEM	IICAL INFORM	IATIO	N			· ·
CHEMICAL NAME				205	TRADE SE	CRET	☐ Yes ☐	No 206
CHEMICAD WAVE		SULFATE HE	mI			•	o EPCRA, refer to instruction	•
COMMON NAME	DUROL			207	EHS*		☐ Yes	208
CAS#	20,00			209	*If EHS is	"Yes", all	amounts below must b	be in lbs.
EIRE CODE HAZAI	RD CLASSES (See pages 29 :	(naheallease side of the hou						210
Photo CODE TIALER	ICO CENEDED (see pages 22)	ши зо от шіз арупсаном					•	
HAZARDOUS MATER TYPE (Check one item	MAL OF PURE (3	(b. MIXTURE [] c. WAS	STF 211 R	ADIOAC	rīve () Yes	DE No	212 CURIES	
PHYSICAL STATE	om,	(2) 1122121212						<del></del>
(Check one item only)	) a. SOLID E	b. LIQUID 🗆 c. GAS	s 214 L	ARGEST	CONTAINER	10	0/65.	
FED HAZARD CATEO (Check all that apply)	GORIES	b. REACTIVE [] c. PRE	ESSURE RELEASE	□ d. AC	UTE HEALTH	☐ e. CI	RONIC HEALTH	
AVERAGE DAILY AM	10UNT 217	MAXIMUM DAILY AMOI	UNT 218 A	NNUAL	WASTE AMOU	NT	219 STATE WASTE	CODE
	<u></u>	<del></del>				221	DAYS ON SITE:	<del></del>
UNITS* (Check one item only)	a. GALLON	b. CUBIC FEET * If EHS, amount must i		TONS			365	·
	ABOVE GROUND TANK UNDERGROUND TANK	☐ e. PLASTIC/NONMET	TALLIC DRUM   i.				TLE [] q. RAIL CAI DITLE [] r. OTHER	R -
□ c.	TANK INSIDE BUILDING	🗆 g. CARBOY	_DX k.	вох .	O. 7	TOTE BIN		•
	. STEEL DRUM	[] h. SILO	Ü L	CYLIND	ER 🗆 p. T.	ANK WAGO		223
STORAGE PRESSURE	E 🗆 a. AMBIENT	b. ABOVE AM	IBIENT 🖸 c. B	ELOW A)	MBIENT			224
STORAGE TEMPERAT	TURE () a. AMBIENT	☐ b. ABOVE AMI	BIENT C. B	ELOW AI	MBIENT I	C] d. CRYC	GENIC	225
%WT	HAZARDOUS CO	MPONENT (For mixt	ure or waste only)		EHS		CAS#	ļ
1 90 226	CALL	ium Sulfat.	Z 2	27	Yes 🗌 No	228	7778189	9 229
<sup>2</sup> /O <sup>230</sup>	Silic	ium Sulfat.	Mire 2	31 🔲	Yes   No	232	1480860	o7 233
3 234		· · · · · · · · · · · · · · · · · · ·		35 🔲	Yes □ No	236		237
4 238		7.4.	2	39 🔲	Yes No	240		241
5 242		· · · · · · · · · · · · · · · · · · ·	2	43 🔲	Yes   No	244		245
If more hazardous compon	I tents are present at greater than I	% by weight if non-carcinogenic	, or 0.1% by weight if car	rinogenic, :	attach additional	sheets of pape	er capturing the required in	formation.
		V		-				246
		•					•	

If EPCRA, Please Sign Here

Section IIA	: HAZARDOI	JS MATERIA	a Fe Ave., Vern LS INVEN	OII, CA	90058	AL DES	SCRIPTION E	ORM
□ADD	(I)	ELETE (exe ex	o per meteriel ver beidde: FIREVISE	5 OL SIET)	77.00		Page	or
		* <del></del>	LITY INFORM	MATION	<del></del>			
BUSINESS NAME (	(Same as FACILITY NAM	IE or DBA - Doing Bus	incss As)	11.12	ATTEST & FL	100	es la Tal	3
CHEMICAL LOCA	TION		771000	201	CHEMICAL LOCA			202
	·	100.00	·		EPCRA  YES NO			
FACILITY ID#				MAP#	(орбска) 20.	GRID	(optional)	20÷
		п. сне	MICAL INFOR	MATIO	N			
CHEMICAL NAME	2mg E	) -		2315	TRADE SECRET		☐ Yes ☐ No	206
COMMON NAME	2007 X	•	· · · · · · · · · · · · · · · · · ·	207	If Subjec	n to EPCRA.	refer to instructions	208
	ChemRez	Catalyst	<i></i>		EHS*		☐ Yes ☐ N	0
CAS#		,		209	*If EHS is "Yes". a	li amounts	below must be in II	05.
FIRE CODE HAZA	RD CLASSES (See pages 29)	and 30 of this application)			<u> </u>			210
HAZARDOUS MATER		Y	211	RADIOACT	ΠVE □ Yes □ No	212	CURIES	-
TYPE (Check one item:	enty) U 1 PURE 12	6. MIXTURE C. W.	ASIE					<del></del>
(Check one item only) FED HAZARD CATEO	☐ a. SOLID )	(ь. цорпо 🗆 с. С.	AS 214	LARGEST	CONTAINER 5	50		
(Check all that apply)		b. REACTIVE [] c. PR			UTE HEALTH 🔲 e. (			
AVERAGE DAILY AN	1	MAXIMUM DAILY AMO	NT 218	ANNUAL V	VASTE AMOUNT	219 51	ATE WASTE CODE	1,2%
UNITS*	/	5 Db. CUBIC FEET	POIDIDS CI	A TONG	. 2	21 DAY	S ON STIE:	
(Check one item only) STORAGE	-	* If EHS, amount must	be in pounds.			Ш	<u> </u>	
<b>□</b> b.	ABOVE GROUND TANK UNDERGROUND TANK	C. PLASTIC/NONME					q. RAIL CAR r. OTHER	F 11
	TANK INSIDE BUILDING STEEL DRUM	☐ g. CARBOY ☐ h. SILO	_	L BOX I. CYLIND	ER [] p. TANK WA			223
STORAGE PRESSURE	a. AMBIENT	b. ABOVE A	MBIENT [] c.	BELOW AN	MEIENT			224
STORAGE TEMPERAT	TURE 2. AMBIENT	□ b. ABOVE AM	IBIENT 🗆 c.	BELOW AN	IBIENT DA CRI	YOGENIC		225
%WT	HAZARDOUS CO	MPONENT (For mix	ture or waste only	)	EIIS		CAS#	
1 75 226	Sulfanie	Acids		227	Yes 2 No 223			229
2 75 230	Inorg	. Acids nic Acid	5	231 🔲 🤄	Yes No 232			233
.3 234				235	Yes No 236			237
4 238				239	Yes □ No 240			241
5 242				1	Yes □ No 344			245
it more hazardous compen-	enis are present at greater than 1	% by weight if nan-carcinogen	ic, ar 0.1% by weight if e	freinogenic, a	ttach additional sheets of pa	per explorio	g the required informatio	n. 246
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<b>1</b> :		City of Vernon - L	Inified Program ( Fe Ave., Vernon,					
Section IIA	: HAZARDOU	S MATERIA	LS INVENT	OR'	Y – CHEMICA	AL DESC	RIPTION F	ORM
Section 1312			per material per हेन्सोर्ट्सक्र कर श		270			
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		L FACI	LITY INFORMA	TION	ſ			
BUSINESS NAME (	Same as FACILITY NAM	E or DBA - Doing Busin	ess As) Mo	0FD.	1 Parrenold	Fores	en In T	1/3
CHEMICAL LOCAT	ION	<u> </u>	77700	201	CHEMICAL LOCA	TION CON	EDENTIAL E	202
	Bwild 1	Buy 3 &	Youl NW	25	EPCRA			
FACILITY ID #				MAP#	(options!) 203	GRID# (	eptional)	204
	1 1	п сием	ICAL INFORMA	TIO	N			
CHEMICAL NAME				2(15	TRADE SECRET		Yes □ No	206
	Chem Re	<b>Z</b>				t to EPCRA, refe	• –	
COMMON NAME	Chem Re	2		207	EHS*		☐ Yes ☐ No	208
CAS#				209	*If EHS is "Yes", a	ll amounts be	elow must be in Ib	 S.
FIRE CODE HAZAI	RD CLASSES (See pages 29 I	nd 30 of this application)	, , , , , , , , , , , , , , , , , , ,		·			210
								213
HAZARDOUS MATER TYPE (Check one item o		p. MIXTURE C. WAS	TE 211 RAD	IOACT	TVE TYES TO NO	212	CURIES	
PHYSICAL STATE (Check one item only)	🗆 a. SOLID 🏃	b. LIQUID 📋 c. GAS	214 LAR	GEST (	CONTAINER 5	501	165	, 215
FED HAZARD CATEG (Check all that apply)		b. REACTIVE [] c. PRE	SSURE RELEASE ()	d. ACI	UTE HEALTH D e. (	THRONIC HE	ALTH	216
AVERAGE DAILY AM	<i>,,</i>	MAXIMUM DAILY AMOU	1	RUAL V	VASTE AMOUNT	II9 STA	TE WASTE CODE	220
7001	<i>55.</i>	2500 hs	<u> </u>	· · · · · · · · · · · · · · · · · · ·		I I DAYS	ON SITE:	222
UNITS* (Check one item only)	🖸 a. GALLONS	b. CUBIC FEET If EHS, amount must be	c. POUNDS d. TO	ONS				
	ABOVE GROUND TANK UNDERGROUND TANK	☐ c. PLASTIC/NONMET	ALLIC DRUM [] i. fl	BER DI	CUM [] m. GLASS BO	TILE O	, RAIL CAR OTHER	
	TANK INSIDE BUILDING	☐ g. CARBOY	□ k. B4	-	O. TOTE EIN			
X(d.	STEEL DRUM	C) h. SILO	☐ 1. C	YLIND	ER 🛛 p. TANK WAG	ON		223
STORAGE PRESSURE	Ø{a. AMBIENT	□ b. ABOVE AM	BIENT ( c. BEL	OW AS	IDIENT			224
STORAGE TEMPERAT	URE AMBIENT	D b. ABOVE AMB	IENT [] c. BEL	AA WO	IBIENT □ d CRY	OGENIC		225
%WT	HAZARDOUS CO	MPONENT (For mixto	ire or waste only)		EIIS	· · · · · · · · · · · · · · · · · · ·	CAS#	
1 20 226	FATT	MALIDS	227	ים	Yes (2) No 223			229
2 5 230	Res	ocinal	221	ים	Ces 🗌 No 232	108	1463	233
3 2 234	Moth	al Alcal	235	ים	(es   No 236	67	561	237
4 238	7.27.	71 1100	259	ים	Yes □ No 240			241
5 242			243	10,	res □ No 244	· .		245
	nts are present at greater than 1	by weight if mon-curvinoscoic		1		per capturing t	he required information	
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City - Vernon - Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM									
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			I. FACILI		MATIO	N			
BUSINESS NAME	(Same as FACILITY NA			- (2 Δ e)					3
CHRMICAL LOCA	TION		<u> </u>	Mol	DEKN,	PATTER	V & FO	ION CONFIDENTIAL	INC 202
					201	EPCRA	D NO	ION CONFIDENTIAL	202
FACILITY ID #					1 MAP	(optional)	203	GRID# (optional)	204
		選雑	<u> </u>	<u> </u>	<u> </u>		·····	8-F	·***
AUBU		I	J. CHEMIC	CAL INFO					
CHEMICAL NAME		/4X	<del>.</del>		205	TRADE SI		☐ Yes ☐  ii EPCRA, refer to instructions	No 206
COMMON NAME	CASTING WAX	7/2 (			207	EHS*	ii stojeci i	,	208 3 No
CAS#					209	MIS	· .	L les [	
ľ	02742					*If EHS is	"Yes", all	amounts below must be	in lbs.
FIRE CODE HAZA	RD CLASSES (See pages 2	9 and 30 of this appl	ication)						210
HAZARDOUS MATER TYPE (Check one item	UAL only) [] 2. PURE	Xb. MIXTURE	🗆 c. WASTE	211	RADIOAC	TIVE   Yes	D No	212 CURIES	213
PHYSICAL STATE (Check one item only)	💢 a. SOLID	🗆 ь. цоло	C. GAS	214	LARGEST	CONTAINER	-	70 lbs.	215
FED HAZARD CATEO (Check all that apply)		□ b. REACTIVI	E [] c. PRESSI	URE RELEASE	□ q. VC	UTE HEALTH	☐ e. CI	RONIC HEALTH	216
AVERAGE DAILY AM	00 165.	IO,000	DAILY AMOUNT D/65.		NO WA	WASTE AMOUNTS	Perycle	STATE WASTE CO	DDE 220
UNITS* (Check one item only) STORAGE	[] a. GALLOX	NS Db. CUBI	C FEET REC	. POUNDS	d. TONS		221	DAYS ON SITE:	. 222
CONTAINER 2.	ABOVE GROUND TANK UNDERGROUND TANK	C e. PLAST	IC/NONMETAL	LIC DRUM	i. FIBER D j. BAG	RUM 🗆 nr. G	LASS BOTT	LE () q. RAIL CAR	
	TANK INSIDE BUILDING STEEL DRUM	ш д. т.	Y	. ,	Ł. BOX		OTE BIN		
STORAGE PRESSURE	<del></del>	O h. SILO			L CYLINE	DER [] p. T.	ANK WAGO	IN .	223
	~		ABOVE AMBIE		BELOW AI	<del></del>	<del></del>		224
STORAGE TEMPERAT	7	<del></del>	ABOVE AMBIEN		BELOW AI	MBIENT (	J d. CRYO	GENIC	225
%WT	HAZARDOUS CO	OMPONENT	(For mixture	or waste only	1)	EHS		CAS#	
1 226					227	Yes 🗍 No	,228		229
2 230	<u> </u>			·····	231	Yes 🗍 No	232		233
3 234					235	Yes 🗌 No	236		237
4 238					239	Yes 🔲 No	240		241
5 242			•		- 1	Yes   No	211		245
a more nazardous compone	nts are present at greater than	1% by weight if nor	i-carcinogenic, or 0	1.1% hy weight if c	arcinogenic, a	Itach additional	heets of paper	capturing the required infor	
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								If EPCRA, Pleas	E Sign Here

# City of Vernon – Unified Program (CUPA) Agency 4305 S. Santa Fe Ave., Vernon, CA 90058 IS MATERIALS INVENTORY – CHI

	HAZARDOUS MAI	(one page per material per build	jing Ot suca)	200	•	Page	_of
CADD	□DELETE	FIREVISE					
		L FACILITY INFOR	RMATIO	N			
BUSINESS NAME (S	ame as FACILITY NAME or DBA -	Doing Business As)	OERN :	PATTERN &	Founder	ry co.	202
CHEMICAL LOCATI	Bldg, 1 Boy 2	1c 2c		EPCRA  YES   NO			202
FACILITY ID #			1 MAP	# (optional) 20	GRID#	1	204
	п	I. CHEMICAL INFO	RMATI				
CHEMICAL NAME	CARBON DIOXIL	DE	20;	If Subje	•	Yes No	206
COMMON NAME			201	EHS*		☐ Yes ☐ No	208
CAS#	114389		209	*If EHS is "Yes", a	all amounts	below must be in lbs	S
FIRE CODE HAZAR	D CLASSES (See pages 29 and 30 of this appli	ication)				•	2
HAZARDOUS MATERI TYPE (Check one item o		□ c. WASTE 211	RADIOA	CTIVE   Yes   XIO	212	CURIES	2
PHYSICAL STATE (Check one item only)	🗆 a. SOLID 🗆 b. LIQUID	(C. GAS 214	LARGES	I CONTAINER			
FED HAZARD CATEGO (Check all that apply)	ORIES  0 a. FIRE 0 b. REACTIVE	E C. PRESSURE RELEAS	E 🗆 d. A	CUTE HEALTH	CHRONIC I	HEALTH	2
AVERAGE DAILY AMO	DUNT 217 MAXIMUM I	DAILY AMOUNT 218	ANNUAL	. WASTE AMOUNT	219 ST.	ATE WASTE CODE	2
UNITS* (Check one item only)	a. GALLONS [] b. CUBl	IC FEET	a. Tons		ZZI DAY:	S ON SITE:	222
☐ b.	UNDERGROUND TANK [] I. CAN		□ j. BAG	□ n. PLASTIC	BOTTLE L	q. RAIL CAR r. OTHER	
_	TANK INSIDE BUILDING Dg. CARBO STEEL DRUM Dh. SILO		☐ F BOX	O. TOTE BIX  NDER Dp. TANK WA			223
STORAGE PRESSURE	a. Ambient 🗆 b.	ABOVE AMBIENT	c. BELOW	AMBIENT			224
STORAGE TEMPERAT	ure 💢 a. ambient 🗆 b.	ABOVE AMBIENT []	c. BELOW	AMBIENT [] d. CR	YOGENIC		225
%WT	HAZARDOUS COMPONENT	(For mixture or waste o	nly)	EHS		CAS#	<del></del>
1 226	CAKBON	DIOXIOS	227	Yes D No 228	12	4389	229
2 230			231	Yes [ No 232			233
3 234			235	] Yes □ No 236			237
4 238			239	] Yes			241
5 242		4	243	Yes No 244			245
If more hazardous compone	nts are present at greater than 1% by weight if n	on-carcinogenic, or 0.1% by weigh	t if carcinogeni	c, attach additional sheets of	paper capturin	g the required informatio	n. 246
					_1	If EPCRA, Please Si	ign Here

			rnon – Uniti S. Santa Fe A							٠.
4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY — CHEMICAL DESCRIPTION FORM										
				terial per building o	or area)		200	···.	Da	igeof
CIADD		DELETE		IREVISE	<del></del>					ige
			L FACILITY	• .	ATION	<b>N</b>	· · · · · · · · · · · · · · · · · · ·			
BUSINESS NAME (	Same as FACILITY NA	ME or DBA – I	Doing Business A	s) <i>moon</i>	RNFA	PATTERN	& Fou	Nor	10.	3
CHEMICAL LOCA			24. 4.72	. 4 .	201				VEIDENTIAL	202
	Blds. 1 BA	1 1 1 0	442	14,2			□ NO 203	1 Cppy	· · · · · · · · · · · · · · · · · · ·	204
FACILITY ID #					MAR	(optional)	2.33	,	(optional)	
II. CHEMICAL INFORMATION										
CHEMICAL NAME					205	TRADE SI	CRET		☐ Yes ☐ N	(g 206
	ALETYL	ENE .				ļ	If Subject	to EPCRA.	refer to instructions	
COMMON NAME					207	EHS*			☐ Yes ☐	208 No
CAS#	74062	······································			209	*If EHS is	"Vec" al	l amounte	below must be i	in lhe
FIRE CODE HAZAI	74862 RD CLASSES (See pages 2	and 30 of this senti	-atinn)			THE CLUS IS	105,80	- aniouns	Delow most be 1	210
Tato Copp Initial	CLASODED (OCC PAGGE)	and 50 of this applie	- American							
HAZARDOUS MATER TYPE (Check one item	IAL mly) [] a. PURE [	, MIXTURE	() c. WASTE	211 R	ADIOAC	TVE   Yes	ζ/Nο	212	CURIES	213
PHYSICAL STATE (Check one item only)	🗋 a. SOLID	□ ь. глблір	æX c. GAS	214 L	ARGEST	CONTAINER	3	35		215
FED HAZARD CATEG (Check all that apply)		□ b. REACTIVE	C c. PRESSURI	E RELEASE	□d. AC	UTE HEALTH	[] e. C	HRONIC I	HEALTH	216
AVERAGE DAILY AM	OUNT 217		ALLY AMOUNT	ì	NNUAL V	VASTE AMOU	TN	219 ST.	ATE WASTE COL	DE 220
UNITS*	a. GALLON				TONS		72	DAY!	ON SITE:	222
(Check one item only) STORAGE		MI EHS, a	mount must be in po	ounds.			·	. [		
	ABOVE GROUND TANK UNDERGROUND TANK	□ c. Plasti □ f. Can	C/NONMETALLIC	DRUM () i. .j.	FIBER DI BAG		LASS BOT PLASTIC B	TLE []	q. RAIL CAR r. OTHER	***
_	TANK INSIDE BUILDING	☐ g. CARBO	Y		. BOX		TOTE BIN	<b>~</b> 11		
	STEEL DRUM					ER () p. T.	ANK WAG	UN		223
STORAGE PRESSURE			ABOVE AMBIENT		ELOW AN					224
STORAGE TEMPERAT	URE () a. AMBIENT	□ b. A	BOVE AMBIENT	c. B	ELOW AN	ABIENT I	d. CRY	OGENIC		225
%WT	HAZARDOUS C	OMPONENT	(For mixture or	waste only)		EHS			CAS#	
1 /00 226	Ace	Tylene		. 2	27 128	Yes 🗌 No	228	74	862	229
2 230				2	31 📋 1	Yes 🗆 No	232			233
3 234		·		2	35 🗆 🤄	Yes 🗌 No	236			237
4 238				2	39 🔲 3	res □ No	240			241
5 242	·			•		es □ No	244			245
ti more hazardous compone	nts are present at greater than	1% by weight if non	-carcinogenic, or 0.19	hy weight if can	cinogenic, a	ttach additional	sheets of pap	er capturing	the required inform	
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4305 S. Santa Fe Ave., Vernon, CA 90058 Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM							
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□ADD	∏nad□		REVISE				
		·	INFORMATIO				
BUSINESS NAME (S		or DBA - Doing Business A	TYTODERS	PATTERN & FOR	TION CONFIDENTIAL	202	
CHEMICAL LOCAT	Blds. 1	Buy #1 Bry #	ty 18,213,"	EPCRA Service		204	
FACILITY ID #			MA	r# (opunia)	24, TF, 76	-	
		II. CHEMICA	L INFORMATI	ON			
CHEMICAL NAME			20		☐ Yes ☐ No	206	
		;	20		et to EPCRA, refer to instructions	208	
COMMON NAME	ARGON			EHS*	☐ Yes ☐ No		
CAS#	AR60N 74403	71	20	*If EHS is "Yes", 2	all amounts below must be in lb	os. 210	
FIRE CODE HAZAF	RD CLASSES (See pages 29 am	d 30 of this application)					
HAZARDOUS MATER TYPE (Check one item of		. MIXTURE   C   C   WASTE	211 RADIO/	ACTIVE DYES DANO	212 CURIES	21:	
PHYSICAL STATE (Check one item only)	🖸 a. SOLID 🔲 I	b. LIQUID 25 c. GAS	214 LARGE	ST CONTAINER	304	21	
FED HAZARD CATEG (Check all that apply)	GORIES . FIRE . 1	b. REACTIVE C. PRESSUR	E RELEASE 🛛 d.	ACUTE HEALTH e.			
AVERAGE DAILY AM	10UNT 217 1	MAXIMUM DAILY AMOUNT 690	218 ANNUA	L WASTE AMOUNT	219 STATE WASTE CODE	22.	
UNITS*	☐ a. GALLONS		POUNDS [] d. TONS		21 DAYS ON SITE:	2: 4	
	ABOVE GROUND TANK	e. PLASTIC/NONMETALLI		R DRUM	OTTLE [] q. RAIL CAR BOTTLE [] r. OTHER	:	
	TANK INSIDE BUILDING	☐ g. CARBOY	□ k BOX				
□ 4.	. STEEL DRUM	O F SITO	ρχί. cyl	INDER   p. TANK WA	GON	223	
STORAGE PRESSURE	E 🔲 a. AMBIENT	☐ b. ABOVE AMBIEN	T 🗆 c. BELOW	AMBIENT		224	
STORAGE TEMPERA	TURE     a. AMBIENT	☐ b. ABOVE AMBIENT	c. BELOW	/ AMBIENT 🔲 d. CE	RYOGENIC	225	
%WT	HAZARDOUS COI	MPONENT (For mixture of	or waste only)	EHS	CAS#	·	
1 100 226	Argon		227	☐ Yes ☐ No 228	7440371	229	
2 230			231	☐ Yes ☐ No 232		233	
3 234			235	☐ Yes ☐ No 236		237	
4 238			239	☐ Yes ☐ No 240		241	
5 242			243	☐ Yes ☐ No 244		245	
If more hazardous compon	nents are present at greater than 1	% by weight if non-carcinogenic, or 0	.1% by weight if carcinoge	nic, attach additional sheets of	paper capturing the required informat	ion. 246	
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					If EPCRA, Please	Sign Here	

City of Vernon – Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058
Section IIA: HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION FORM

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□ddb	ac)	ei.ete		EVISE			200			<u>*</u>
L FACILITY INFORMATION										
BUSINESS NAME (	Same as FACILITY NAM	ME or DBA - Do	oing Business As)	mooren	1 PA	TTERN &	Four	Joen	10.	3
CHEMICAL LOCA		118	1.17	14,24	201	CHEMICAL DEPCRA		ON CON	FIDENTIAL	202
	Bldg. / BA	1 104	72	• /	AAP#	(optional)	NO 203	GRID#	(optional)	204
FACILITY ID#								2	F, 4F	5
		n.	CHEMICAL	INFORMA	TIO	N			•	<u>.</u>
CHEMICAL NAME	1				205	TRADE SEC		_	Yes N	io <sup>206</sup>
	ALETYLA	WE:		_,	207		If Subject t	o EPCRA, r	efer to instructions	208
COMMON NAME						EHS*			☐ Yes ☐	) No
CAS#	74862				209	*If EHS is "Y	res", all	amounts	below must be	in lbs.
FIRE CODE HAZA	RD CLASSES (See pages 29	and 30 of this applica	ation)							, 210
HAZARDOUS MATE	RIAL Da PURE (	M. MIXTURE	C. WASTE	211 RAD	IOAC	ΠVE □ Yes §	Ž(No	212	CURIES	213
PHYSICAL STATE				214 LAR	GEST	CONTAINER	-37	 3 <i>5</i> ~		215
(Check one item only) FED HAZARD CATE	C) a. SOLID (	<del> </del>	& c. GAS			UTE HEALTH			IFALTH	216
(Check all that apply)			☐ c. PRESSURE			WASTE AMOUN			ATE WASTE CO	DE 220
AVERAGE DAILY A		1	AILY AMOUNT 5 GALLON	1	NUAL	WAZIE AMOÜN	•		1115 W. 101B 00	
100	GALLON	J		·····			22	DAY	S ON SITE:	222
UNITS* (Check one item only)	a. GALLO	VS 0. CUBIC	FEET C. PO mount must be in pou		ONS					
STORAGE CONTAINER	a. ABOVE GROUND TANK b. UNDERGROUND TANK	c. PLASTI	C/NONMETALLIC	DRUM [] i. Fi			ASTIC B	TLE C	q. RAIL CAR r. OTHER	
1	TANK INSIDE BUILDING		Y	D k.B		Der in p. TA		ON		223
	i. STEEL DRUM	☐ F. SILO					1112 11110		· ·	224
STORAGE PRESSUR	<del></del>		ABOVE AMBIENT	C. BEL		<u>,,,</u>	- CDV	OCENIC		225
STORAGE TEMPERA			BOVE AMBIENT	C. BEI	A WO.		d. CRY	OGENIC	CAP#	
%WT	HAZARDOUS C			waste only)	<del> </del>	EHS			CAS#	
1 /00 226	Ace	tylene		. 227	, DX	Yes   No	228	74	862	229
2 230				231		Yes 🗌 No	232			233
3 234				235		Yes 🗌 No	236			237
4 238				239		Yes 🗌 No	240			241
5 242				243		Yes 🗌 No	244		/	245
If more hazardous comp	onents are present at greater than	a 1% by weight if no	n-carcinogenic, or 0.15	6 hy weight if carei	nogenic,	altach additional s	heets of pa	per capturi	the required info	
	· · · · · · · · · · · · · · · · · · ·									246
							1	/	If EPCRA, Ple	ase Sign Here

### **CWS 2010**

California Water Service Company – East Los Angeles District, website information, <a href="http://www.calwater.com/your\_district/index.php?District=ela">http://www.calwater.com/your\_district/index.php?District=ela</a>, data accessed June 21, 2010



# East Los Angeles District

Commerce, Montebello, East Los Angeles, and portions of Monterey Park and Vernon

Customer Center
3316 West Beverly
Blvd.
Montebello, CA 90640
8:30 a.m. to 5 p.m.
(323) 722-8601
infoELA@calwater.com

**District Manager**David
Karraker

After Hours Emergency Phone Number (323) 263-4145

### **Pay Stations**

You can pay Cal Water bills at any of the pay stations listed below. Note that there is a \$1 Western Union service charge to pay your bill at a pay station. Please notify your local Customer Center if you are paying an overdue bill at a pay station.

A Check Cashing 4840 Whittier Blvd. Los Angeles, CA 90022

**Dearden's Commerce** 5730 Whittier Boulevard Commerce, CA 90022

Checks 2 Cash 6016 Whittier Boulevard Los Angeles, CA 90022

Mundo Check Cashing #2 705 South Atlantic Avenue



## **More East Los Angeles Information**

- Consumer confidence reports
- Available rebates
- Rate information
- 2009 rate case information
- Customer center map (Google)

#### **Hot Topics**

Drought: Stage I of drought management plan activated

Video: See the Cal Water corporate video

#### **View Another District**

east Los Angeles
or enter Zip code:
Show district

Los Angeles, CA 90022

Mundo Check Cashing #3 3821 East Whittier Boulevard Los Angeles, CA 90023

#### Super Discount Market 3980 East Olympic

Los Angeles, CA 90023

#### Bandini Market

2313 South Atlantic Commerce, CA 90040

#### Call For Cash

3474 East 1st Street Los Angeles, CA 90063

#### Cals Check Cashing Service #2

2341 West Whittier Boulevard Montebello, CA 90640

#### Henry's Pharmacy

127 North Garfield Avenue Monterey Park, CA 91754

#### Nu Way Market

1472 Monterey Pass Road Monterey Park, CA 91754

#### Su Casa De Cambio

(four locations)

6571 E Olympic Blvd. Los Angeles CA 90022

4732 E Whittier Blvd. Los Angeles 90022

2132 E Cesar Chavez Ave. Los Angeles CA 90033

3657 E 1st St. Los Angeles CA 90063

#### General Information

Cal Water has provided high-quality water utility services in the East Los Angeles area since 1928. In addition to the 26,600 customer connections in our East Los Angeles system, we serve 2,800 customer

connections through operating contracts with the Cities of Commerce and Montebello.

#### **East Los Angeles**

To meet our customers' needs, we use a combination of local groundwater and purchased water from the Metropolitan Water District of Southern California (MWD), which is imported from the Colorado River and the State Water Project in northern California. The East Los Angeles water system currently includes 10 active wells, 29 booster pumps, 16 storage tanks, and three MWD connections.

In 2008, Cal Water completed the construction of a new iron and manganese treatment facility, and more are on track to be constructed. A new well was constructed in 2008, additional wells are being explored, and we are beginning the design of a new 2.5-million-gallon storage reservoir that we hope to complete in 2010.

#### **City of Commerce**

Cal Water has provided high-quality water utility services to the area served by the City of Commerce water system since 1985. To meet our customers' needs, we use a combination of local groundwater and purchased water from the Metropolitan Water District of Southern California (MWD), which is imported from the Colorado River and the State Water Project in northern California. The City of Commerce water system includes four wells, 12 booster pumps, five storage tanks, and one MWD connection.

In the past two years, Cal Water has completed the construction of two new wellhead treatment facilities. These new facilities are part of our continuing effort to proactively maintain and upgrade facilities and ensure a reliable, high-quality supply.

#### Montebello

Cal Water has provided high-quality water utility services to the area served by the City of Montebello water system since 1992. To meet our customers' needs, we use a combination of local groundwater and purchased water from the Metropolitan Water District of Southern California (MWD), which is imported from the Colorado River and the State Water Project in northern California. The City of Montebello water system includes one well, nine booster pumps, three storage tanks, and two MWD connections. Cal Water proactively maintains the City-owned water facilities to ensure a reliable, high-quality supply.

#### **Bill Inserts**

If you are eligible for Cal Water eBilling, you can select your city, community, or water system to see a list of current bill inserts

- City of Commerce
- City of Montebello
- East Los Angeles

### **DTSC 2000**

California Environmental Protection Agency, Department of Toxic Substances Control, EPA Region 9 Site Screening/Prioritization Checklist, December 6, 2000

# **EPA REGION IX SITE SCREENING/PRIORITIZATION CHECKLIST**

This review checklist is to be used by individual site screening staff when reviewing sites which have been brought to the attention of EPA or the State. Each site is reviewed on the merits of the discovery documentation and additional information gathered during the screening process. The guiding principal in evaluating a given site is to use common sense in assessing the information and subsequently presenting the site and its known hazardous potential to the SST. All sections of this form are to be completed for both screens and prioritizations.

#### 1.0 GENERAL INSTRUCTIONS

#### 1.1 Site Information

Site Name:	Modern Pattern & Foundry Co. Inc.	(MP)						
Alias Name:								
Site Street Address:	5610 Alcoa Ave.							
City, County, State:	Vernon, Los Angeles County, California	rnia 90058						
CERCLIS/EPA ID Number:	CAD982025488	CAD982025488						
Site Screener:	Teresa Hom	Date: <u>August 30, 1999</u>						
Date of Discovery:	November 1997.							
Discovery Vehicle:								
[ ] County Referral [ ] Citizen Petition [ ] RCRA Referral [x] Site Discovery Project	<ul><li>[ ] State Referral</li><li>[ ] State PA/SI Grant</li><li>[ ] Nonemergency Release Report</li></ul>	[ ] Lawsuit [ ] Removal [ ] Newspaper [x ] Other: <u>Vernon Site</u> Discovery Project						
Is this site part of an NPL site?	[ ] Yes [x] No							
CERCLIS Status: [ ] NFA [x] Not in CERCLIS	[ ] Discovery [ ] SI [ ] Other/Specify:	[ ] PA [ ] ESI [x] Site Discovery Project Area: Vernon						
State oversight role: PA/SI Cooperative Agreement	[x <u>V999252 -02</u>							
EPA Project Officer: Rachel Lo	tin	·						
RCRA Status:	[ ] Generator [ ] TSDF	[ j Transporter [x] Not listed in RCRIS						
In a State Database(s)? [ ] Yes [x] No If yes, specify. Not in DTSC's Tiered Permitting Database or Cal Sites. In Haznet, but designated as inactive per survey.								
CURRENT ACTIVITY:	[X] Site Screening [ ] Site	e Prioritization						

### 1.2 CERCLA Eligibility

If the answer to question 1 is "No", or if the answer to any question of 2 through 8 is "Yes", the site is ineligible for CERCLA evaluation and the decision at the bottom of this page is "No Further Action Under CERCLA". A "yes" answers to questions 9 through 16 identifies sites that may not be appropriate for CERCLA evaluation without further justification. If a question cannot be answered, explain why in the Comments section below.

1.	Has a release of hazardous substances, pollutants, or contaminants occurred?	[x] Yes	[ ] No
2.	Does the release or threat of release consist only of crude oil or unaltered petroleum product?	[]Yes	[x] No
<b>3.</b> .	Is the site subject to corrective action under RCRA Subtitle C (hazardous waste treatment, storage, or disposal facility)?	[ ] Yes	[x] No
4.	Does the release or threatened release fall under the jurisdiction of the Uranium Mill Tailings Radiation Control Act (UMTRCA)?	[]Yes	[x] No
5.	Does the release or threatened release fall under the jurisdiction of the Atomic Energy Act (AEA)?	[]Yes	[x] No
<b>6.</b>	Is the release or threatened release a result of a legal application of pesticides under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)?	[]Yes	[x] No
7.	Is the release or threatened release regulated under the Oil Pollution Act (OPA)?	[]Yes	[x] No
8.	Is the release or threatened release permitted under the Nuclear Regulatory Commission (NRC)?	[]Yes	[x] No
9.	Is the site a federal facility?	[]Yes	[x] No
10.	Is the site outside of U.S. boundaries?	[]Yes	[x] No
11.	Is the site outside of EPA, Region IX borders?	[]Yes	[x] No
12.	Is the site within Native American Tribal lands?	[]Yes	[x] No
13.	Is the site currently under the control and management of a state/local agency? If yes, which agencies?	[]Yes	[x] No
14.	Is the site currently operating?	[x] Yes	[ ] No
15.	Is the site address valid?	[x] Yes	[ ] No
16.	Has the site been investigated under an alias?	[]Yes	[x] No
Con	nments:	· ·	

DECISION: [ ] No Further Action Under CERCLA

[x] Go to Section 2

#### 2.0 TECHNICAL INFORMATION

This section contains information about site's operational history and environmental sampling. Complete the following section by filling in the blanks or checking the appropriate boxes. If a question cannot be answered, explain why. If a drive-by is performed, complete Attachment B.

#### 2.1 Operational History

1a. List present site owner(s) and operator(s). [Include dates of ownership]:

Site owner: Roland Meckel, President and General Manager since 1994-present.

Operators: Roland Meckel, President and General Manager since 1983-present. Mr. Meckel started working at MP in 1967 and has continued with the Corporation in various roles as President and General Manager to the present.

1b. Are hazardous substances presently on site?

[x] Yes [] No

If yes, how and where are substances stored and used?

Foundry operations producing steel and aluminum castings. Most of the castings are built for the aerospace industry. MP performs both 1. Investment castings or lost wax process and 2. Sand castings. The castings are metal and usually either aluminum or stainless steel castings with chemicals added to give the metal the specified characteristics necessary, such as hardness or other strength of materials property. The solid base metals are stored inside. Only a small amount of cleaning solvent is stored outdoors. Liquids are stored in steel drums. The base metals are stored in wooden boxes. There is secondary containment of chemicals and waste. There is a Health and Safety Program enforced. Sand is used to clean up some liquids spills. A typical casting might contain 290 lbs of base metal and 10 lbs of a chemical added to the metal to bring the casting to a certain specification.

2a. List historic site owner(s) and operator(s). [Include dates of ownership]:

Operators: Stockholder changes occurred in 1968, 1972, 1986, and 1994. Two of the original stockholders passed away in 1968 and 1972. Heirs of these men sold their ownership in 1978 and 1986. Final original stockholder passed away in 1993 and his ownership was purchased by the current stockholder in 1994. Operator and Landowner (unknown -1983)Mr. E. C. Hasselberg, who passed away about 1990's.

Operator: (unknown-1983) : Mr. Meckel

Operator: (1983-1994) Mr. Meckel

Operator and Landowner: (1994-present): Mr. Roland Meckel, President and General Manager

MP was incorporated in August, 1946. Current plant facility was constructed by MP in 1946.

2b. Were hazardous substances present on site in the past?

[x] Yes [ ] No

If yes, how and where were substances stored and used? Describe past operations briefly.

Facility has been used as a foundry and pattern shop from original formation in 1946-present. Any uses of the real property prior to 1946 are not known by current owners and operators, and as far as can be

determined, none of the employees in 1946 are living today. MP incorporated in 1946.
Supposedly 1,1,1 trichloroethane was used to clean parts, in past in 1946 until about 1988.
In the 1940s (approximately) until a unknown time, the foundry performed their processes on the dirt and
there were no concrete or asphalt floors. In the past sometimes the molten metal was poured into molds
dug into the dirt or ground and poured into the ground. Formaldehyde was used prior to 1990. It was
discontinued to be used in 1990.
<u></u>
Additional comments: Facility has been used only as a foundry and pattern shop from original formation in
1946 to present. Current Plant Facility was constructed by MP in 1946 and with additions and one
detached building completed about 1964 or 1968. Original building was built on a vacant lot which now
comprises the total facility. M. P the business started in 1938 and occupied a site a few blocks away and
also next door. There is a stand alone Building built in 1968 which is about 20 feet away from the main
building. This stand alone building has ceramic ovens, furnace and stores solid metals.

## 2.2 Contaminant(s):

List any hazardous substances, pollutants, or contaminants that have been identified at the site and indicate whether they have been quantified (e.g., by sampling).

	·	Suspected	Identified	Quantified	Comments
[]	Ammonia	[]	[]	[]	
ĺĺ	Arsenic	ří	ii	[ ]	
ΙÌ	Asbestos	ii	ii	ίj	
[]	Beryllium	ii	ii	ii	
[]	Cadmium	ίί	ı i i	ij	
[]	Carbon tetrachloride	ii	ii	ΪÍ	
[]	Chloroform	ìi	ii	Ϊĺ	
[]	Chromium (+3 or +6)	. ř i	îi	ii	
[]	Copper	ii	řί	11	
[]	Cyanide	ii	ΪÌ	ii	
[]	Dichloroethene,1,1- (DCE)	įį	ίί	fi	
[]	Dioxin	įį	ii	ři ·	
[]	Ethyl benzene	Ī	ίi	ΪΪ	
[]	Lead	[]	Ϊĺ	ίí	
[]	Mercury	[ ]	į	ίi	
[]	Methylene chloride	[]	ĺĺ	ίi	
[]	Nickel	[ ]	ίi	ři	•
[]	P-Dichlorobenzene	[]	ĨĨ	ři	
[]	Pentachlorophenol	[ ]	ĨĨ	ii	
[]	Phenol	[]	Ϊij	ii	
[]	Polychlorinated biphenyls (PCBs)	[]	[ ]	ii	
[]	Polyaromatic hydrocarbons (PAHs)	[ ]	[ ]	ĪĪ	
[]	Tetrachloroethylene (PCE)	<b>[</b> ]	ſ 1·	11	•
[]	Toluene	ii	ii.	[ ]	
[]	Trichloroethylene (TCE)	ii	i i '	[].	
[]	Vinyl chloride	ii	ři	ίί	
[]	Xylene	ΪÌ	ii	11	
[ ]	Zinc	. [ ]	ii	1 ]	
[x]	Other chemicals (List):	[x]	[ ]	[ ]	
	TCA		[]	[]	
Addi	tional Comments:		• • • • • • • • • • • • • • • • • • • •		
			-		
					•

	[ ] Yes	[ ] Sus	pected	[x] No		
Identify the source pile, etc.):	(s) of the release	e or suspected re	elease (e.g	j., drums, lar	ndfill, surface impoundment, v	vasto
-						
2.4 Pathway(s	s) of contami	nant migrati	on:			
[] Air	[]	Groundwater	[]Surfa	ce Water	[ ] Soil	
Briefly describe an None detected, kr	nown or found.					
	· · · · · · · · · · · · · · · · · · ·					
2.5 Sampling	History					
1. Has sampling	been conducted	1? [ ] Yes [x] No		•		
2 If environments C, to record th	al sampling has e information.	been conducted	l, use the S	Sampling Ev	vent Summary Table, Attachi	ment
2.6 Additional	Information					
Use this space to p	resent additions	al information th	at may be	used to sup	port site screening decisions	3.
DTSC staff noticed	poor housekee	ping during a dr	ive by in 1	997 from th	e exterior.	
15 gallons of spent	cleaning solver	nt is picked up a	s waste pe	er month.		
		ŧ				
			•			<u>.</u>
-				;		
				· · · · · · · · · · · · · · · · · · ·		

# 3.0 REMOVAL ASSESSMENT CRITERIA — NCP EVALUATION

Use the following criteria to determine if the site should be referred to EPA's Removal Section. If the answer to any question is yes, get EPA concurrence for the decision. If all answers are no, go to Section 4. If a question cannot be answered, explain why in the Comments section below.

	Is there actual or potential exposure to nearby populations, animals, or the food chain from hazardous substances, pollutants, or contaminants?	[x] Yes	[] No
	ls there actual or potential contamination of drinking supplies or sensitive ecosystems?	[]Yes	[x] No
	Are hazardous substances, pollutants, or contaminants in drums, barrels, tanks, or other bulk storage containers which may pose a threat of release?	[]Yes	[x] No
(	Are there high levels of hazardous substances, pollutants, or contaminants is soils largely at or near the surface, which may migrate and affect populations or the environment?	[]Yes	[x] No
	Could weather conditions cause hazardous substances, pollutants, or contaminants to migrate or be released?	[]Yes	[x] No
<b>6.</b>	s there a threat of fire or explosion?		
		[]Yes	[x] No
	Are there appropriate Federal or State response mechanisms to espond to the release or potential release?	[x] Yes	[] No
	Are there other situations or factors which may pose threats to public health, welfare, or the environment?	[]Yes	[x] No
C	For the situation where there appears to be primarily a groundwater contamination problem, is there a near-surface source which can be removed?	[]Yes	[x] No
		[]Yes	[x] No
Comi	ments:		
	<u> </u>		
	· · · · · · · · · · · · · · · · · · ·		
DEC	ISION: [ ] Removal Assessment	ı	*
	[x] Not Appropriate For Removal Action		
	[1]		

# 4.0 OTHER INFLUENCING FACTORS

Assign a high, medium, or low priority category to each of the following factors and then use these factors to help make preliminary recommendations in Section 5. A high priority influence may indicate that a Preliminary Assessment should be conducted as a high priority without regard to other screening factors.

Other Influences	High	Medium	Low
Site remedial/ removal history	[x] None	[] Some	[ ] All wastes removed
2. Regulatory involvement	[ ] No involvement	[x] Somewhat involved	[ ] Other agency currently active
3. Environmental justice	[ ] Site is in low income/minority neighborhood		[x] Site is not in low income or minority neighborhood
Brownfields/     Redevelopment	[ ] Possible candi- date	-	[x] Not a likely candidate
5. Political attention	[ ] Very visible/vocal	[ ] Some involve- ment	[x] None
6. Public attention	[ ] Very visible/vocal	[ ] Some involve- ment	[x ] None
7. Remedial Costs	[x] Likely very expensive or diffi- cult	-	[ ] Easy and relatively cheap
omments:			
			· · · · · · · · · · · · · · · · · · ·
	1 1	7	
	*		`

# OTHER INFLUENCING FACTORS CATEGORY:

HIGH

**MEDIUM** 

(LOW)

### 5.0 SITE PRIORITIZATION WORKSHEET

Site Name: MP	Site Screener: Teresa Hom
EPA ID Number: CAD982025488	Date: June 30, 1999
Site Screen: X	Site Prioritization:

The following risk-based criteria should be used as a guideline to assist in the prioritization of pre-CERCLIS and CERCLIS sites. These guidelines can be used in various stages of assessment. When interpreting the information provided below, one should understand that conservative assumptions were made where information is lacking and the risk value is subjective.

Site screeners should complete this form by using the categories as guidelines. The "Notes" sections should be used to document assumptions made, data sources, or other information pertinent to determining risk prioritization. For benchmarks, use industrial/residential PRGs for soil, MCLs for groundwater, and NOAA standards for sediments.

### **5.1 HAZARDS IDENTIFICATION**

Complete the sections below for the suspected contaminants of greatest concern. Use SCDMs as a reference for assigning hazardous substance risk category. Assign a Hazard Factor for each hazardous substance evaluated and then assign an Overall Hazard Factor Value combining the separate Hazard Factors. If only one hazardous substance is evaluated, the Overall Hazard Factor Value will be the same as the Hazard Factor for A. Create sections for "Hazardous Substance C" and "D" if necessary.

HAZARDOUS SUBSTANCE A:								
Estimate the risk associated with the hazard properties for this hazardous substance.  Hazard HIGH MEDIUM LOW Property								
Quantity	[ ] ≥10,000 lbs; or or 5 mil. gals; or or 25,000 yds³	[ ] <10,000 lbs and ≥100 lbs; or <5 mil. gals and ≥50,000 gals; or <25,000 yds³ and ≥250 yds³	[x ] <100 lbs. or 50,000 gals. or 250 _yds <sup>3</sup>					
Toxicity	[ ]≥10,000	[ ]<10,000 and ≥100 100	[x] <100					
Mobility	[x] = 1	[]<1 and ≥0.001	[]<0.001					
Bioavailabilty	[]≥1,000	[]<1,000 and ≥10 .	[x]<10					
Concentration (if known)	[ ] ≥benchmark = sample =	[ ] near benchmark = sample =	[ x ] low relative to benchmark = 1.2E03 mg/kg Residential Soil sample = .					
Level of Containment	[x ] None	[ ] Partial (explain below)	[ ] Full (explain below)					
Hazard Factor for A	HIGH	MEDIUM	LOW					

Comments:	Suspected use in past.	PRG Soil: 1.2E03	ng/kg Residential, nonca	ncer.
	•			
		· · · · · · · · · · · · · · · · · · ·		
			· ·	
OVERALL HA	ZARD FACTOR VALUE	: HIGH	MEDIUM	(LOW)

# **5.2 VULNERABILITY ANALYSIS**

Assign a risk category to each of the following vulnerability factors. Assign an Overall Vulnerability Factor Value for the site based on the dominant vulnerability risk categories.

	Vulnerability Factor	High	Medium	Low
1.	Environmental Setting - Land use within 0.5 miles of the site	[] Residential	[ ] Agricultural/ Commercial	[x] Industrial
2.	Sensitive Populations - Children, the elderly, or groups with poor health live:	[ ] Within 0.25 miles of site		[x] More than 0.25 miles from site
3.	Population Density - Evaluate within 0.5 miles.	[x] Dense	[ ] Moderate	[]Sparse
4.	Groundwater Use - Wells used for drink- ing water are located:	[x] Within 0.5 miles of the site	[ ] 0.5 to 2 miles from site	[ ] More than 2 miles from site
5.	Groundwater Contamination - Evaluate groundwater contamination within 2 miles of the site.	[]Known	[ ] Possible	[x] Not likely
<b>6.</b>	Surface Water Location - Distance to nearest surface water body. If used for drinking water or known to be contaminated, bump to next higher risk category.	[ ] Within 0.5 miles of the site	[ ] 0.5 to 2 miles from site	[x] More than 2 miles from site
7.	Sensitive Habitats - Distance to nearest sensitive habitat. If known or projected contamination within habitat, bump to next higher risk category.	[ ] Within 0.5 miles of the site	[ ] 0.5 to 2 miles from site	[x] More than 2 miles from site
8.	Soil/Air Contamination - Evaluate the potential for exposure to individuals from contaminated soil or air releases.	[ ] Documented or probable expo- sure	[ ] Potential for exposure	[x] Exposure not likely
9.	Sampling Data Confidence - Evaluate the quality of any data available for the site.	[x] No oversight; no QA/QC; no data	[ ] Regulatory oversight; EPA methods; partial or unknown QA/QC	[ ] Regulatory oversight; EPA methods; QA/QC validation

Notes:	33	4	
			· · · · · · · · · · · · · · · · · · ·
		<u> </u>	

**OVERALL VULNERABILITY FACTOR VALUE:** 

HIGH

**MEDIUM** 

LOW

# 5.3 PRIORITIZATION SCREENING RISK ANALYSIS

Assign a Site Priority Level based on the dominant risk categories given for the hazard and vulnerability factor values.

OVERALL SITE PRIORITY LEVEL:	HIGI	Н	MEDIUM	_LOW
	•			
		····		
			· · · · · · · · · · · · · · · · · · ·	, ,
Additional Comments:				
VULNERABILITY FACTOR VALUE	HIGH		MEDIUM	LOW
HAZARD FACTOR VALUE	HIGH		MEDIUM	<u>LOW</u>
			•	
OTHER INFLUENCING FACTORS	HIGH	Ç-	MEDIUM	LOW

12

6.0 SITE RECOMMENDATION	
Site Name: Mar Cadern Callern Site Screener: Teresa Hom EPA ID Number: CAD982025488 Date: June 30, 1999	
6.1. Further Site Assessment Warranted	
6.1.a Under DTSC Lead	[
Recommend further site investigation under DTSC lead.	
6.1.b Under EPA Cooperative Agreement High Priority [ ] Medium Priority [ ] Low Priority [ ]	
Recommend further site investigation under the EPA cooperative agreement.	
an Francisco de di Managara (° Angles e e e	[]
Recommend referral to EPA's Removal Section.	
6.3. Referral To DTSC'S Hazardous Waste Management Program (REFRC)	[]
Recommend REFRC for sites that can be remediated as a Corrective Action under H&S Co 25187.	ode
6.4 Referral to Regional Water Quality Control Board (REFRW)	[ ]
Recommend REFRW for sites that fall under RWQCB authority and for which RWQCB is provide oversight of investigation/remediation.	ing
6.5 Referral to another agency (REFOA)	[ ]
Recommend REFOA for sites where another agency (other than RWQCB) including DTSC providing or has provided oversight. Name agency below.	is
6.6 No Action Under CERCLA	[::]
Recommend No Action for sites where documented contamination is not significant by EPA/DTS standards and the presence of greater contamination is unlikely.	3C
Comments:	
EPA CONCURRENCE: 12-6-00 signature date	

MP

# Attachment A

## SITE SCREENING CONTACT LOG

Site Name: MP Site Screener: Teresa Hom

Site Na		Site Screei	ner: Teresa Hom	
Contact Name	Affiliation	Telephon e Number	Date	Discussion
Rafael Gonzales	plant manager, superintendent	213/ 583- 4912.	3/98	Requested information on the site. Referred me to other worker.
Charles		213/583- 4451		Requested information on the site.
Mel Craig	Controller, MP	(213) 583- 4921	3/9/98, 3/10/98	Requested information on the site.
Butch Griffiths	Environmental Consultants. Cast Metals Services, Inc.	(909) 2364247, Mobile: 909/ 2369247	4/22 /98	Asked for documents and information.
Butch Griffiths	Environmental Consultants. Cast Metals Services, Inc.	(909) 2364247, Mobile: 909/ 2369247	11/12 /98	Asked for documents and information.
Butch Griffiths	Environmental Consultants. Cast Metals Services, Inc.	(909) 2364247, Mobile: 909/ 2369247	12/4 /98	Asked for documents and information.
				•
Mel Craig	Controller, MP	(213) 583- 4921	12/4/98	Discussed the site history and information.

# Attachment A

# SITE SCREENING CONTACT LOG

Site Name: MP			Site Screener:	Teresa Hom
Contact Name	Affiliation	Telephone Number	Date	Discussion
File Room-	Regional Water Quality Control Board, Los Angeles District, (RWQCB),	213/ 266-7601	1/22/98	Requested information on files.
Jenny Au	Regional Water Quality Control Board, Los Angeles District, (RWQCB),	(213) 266-7576	Feb. 4 1998	Requested site information, data, maps and update on site. Left message to locate file for review.
Mike Sung	RWQCB	(213) 266-7561 Fax: 5988	Feb. 2, 1998	He could not find file. There was no record of the site. He asked in the office and no one remembers working on the site.
Joanna Lee	RWQCB	213/ 266-7661	1998	Requested information on files.
Jenny Au	Regional Water Quality Control Board, Los Angeles District, (RWQCB),	(213) 266-7576	Feb. 4 1998	Requested site information, data, maps and update on site. Left message to locate file for review.
File Room-Margie	RWQCB	213/ 266-7601	2/98	Requested information again since my request was lost.
David Rasmussen	RWQCB	213/266-7641	4/2/1998	Requested information on the site. He did not have any record of the site.
David Rasmussen	RWQCB	213/266-7641	4/22/1998	He discussed information on site. He finally found files.

Roland Meckel	Modern Pattern, Pres.	323/ 5834921	8/17/99	Requested additional data and information on the site.
Butch Griffiths	Environmental Consultants. Cast Metals Services, Inc.	(909) 2364247, Mobile: 909/ 2369247	8/27/99	Asked for documents and information again. He stated he sent it to Sacramento.

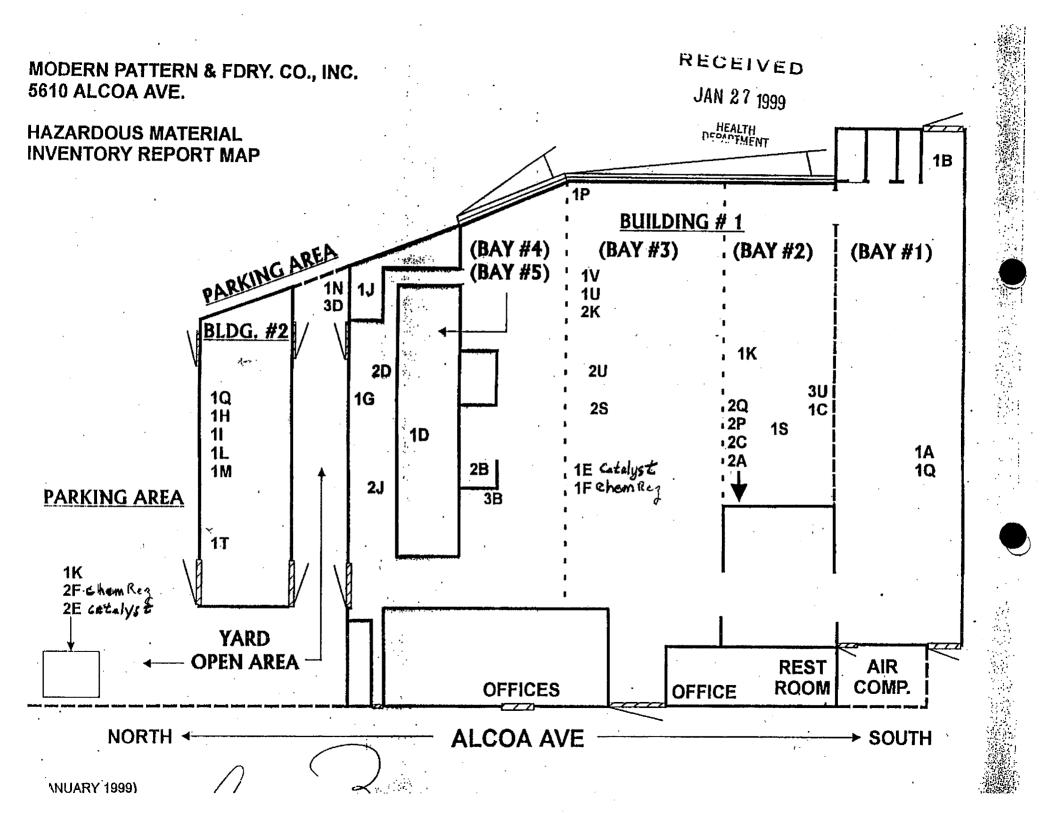
#### ATTACHMENT F

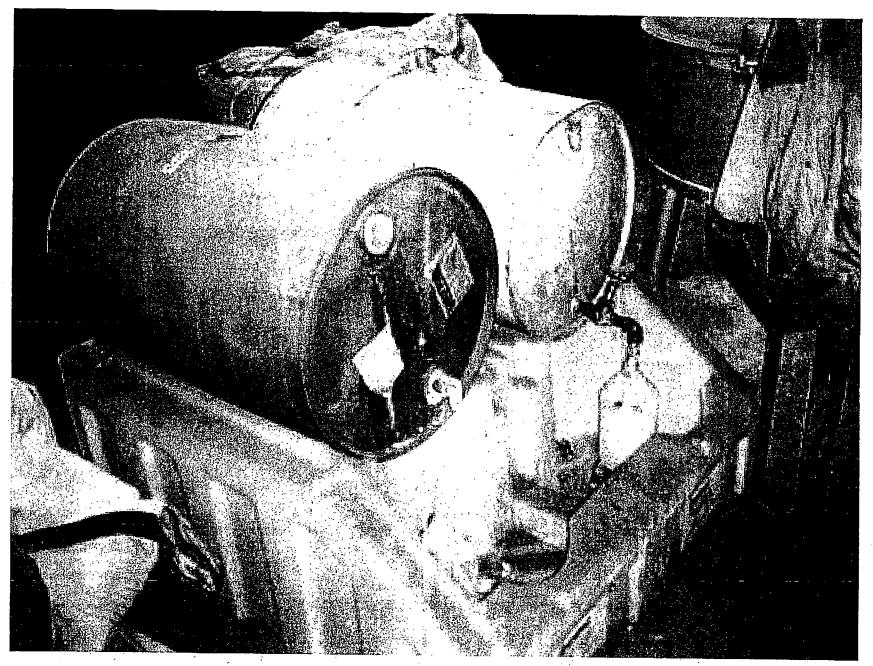
## SITE SCREENING OBSERVATION RECORD

	04500005400	Site Screener: <u>Teresa Hom</u>
A ID NUME	er: CAD982025488	Date: <u>May-1999</u>
•		•
Status:	Active X	Different Company
Oluluo.	Inactive	
Setting:	Residential	Commercial
ootting.	ResidentialX	Agricultural
	Restricted accessX	Unpaved Unrestricted access
	Near RR tracks	Near drainage
	Vegetation	
.*.	Topograpy	
	•	·
Visibility:	Clear	
Waste Des	cription/ Pit	Ditch
Containme		Buckets
	Dumpster	Sacks
	ocaliered	Otrlei
	PondX	Irasn Can
•	DrumsX_	Piles
Stored On	: AsphaltX	Pallets
	Concrete X	Other .
	BareGround	Gravel
Waste Typ	e: Garbage	Liquid
	Sludge.	Gas
	Inert	
	Solid	• •
	Liquids: 15 gallons of s	solvent contained in containers and picked up by a hazardo
	waste hauler.	
Describe a	، uantities. labeling, colors, odor	s, etc.:
	<b></b>	
Distance to	surface water and sensitive e	environments or ecosystems:
Not close	· .	• •
<del></del>	**	
		· · · · · · · · · · · · · · · · · · ·
		,
		de again is the second of the second
Proximity f	o residences, schools, day car	re facilities, nospitals, nursing nomes, etc.:
	o residences, schools, day car	
Not close. Co	ommunity hospital about 1-2 miles av	re facilities, nospitals, nursing nomes, etc.:  way. There are only 3 houses with in a mile. Only 80 residence  od about a mile away.

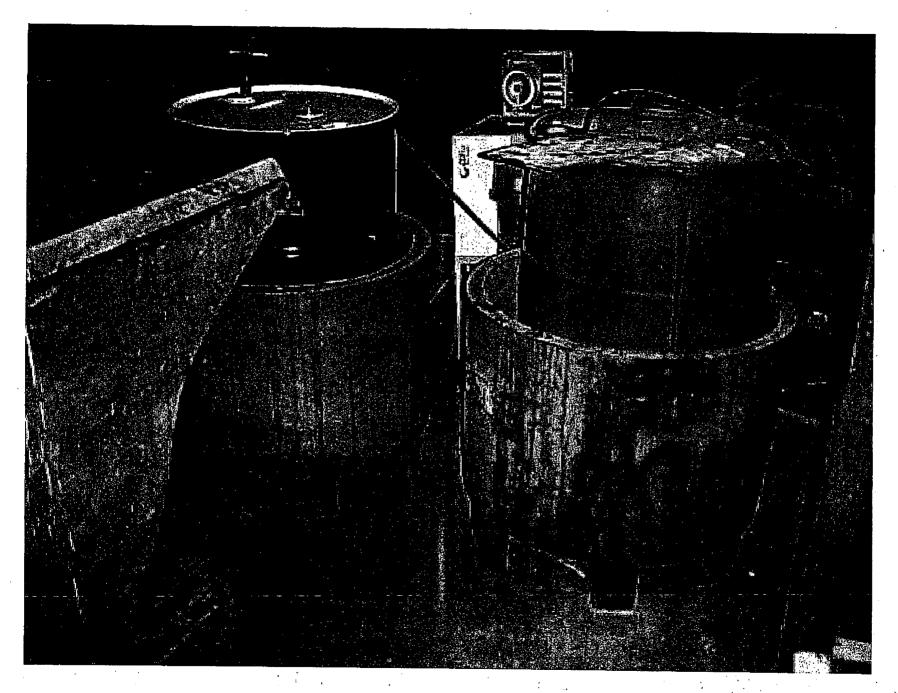
7.	Estimated number of people living or working in the area: <u>Dense.</u>						
8.	Distance to food processing/packaging or a	agricultural production Not close					
9.	Additional Information:						

10. Sketch or attach a diagram of the facility with relevant features and labels. See attached.





Modern Pattern



Mödern Pattern

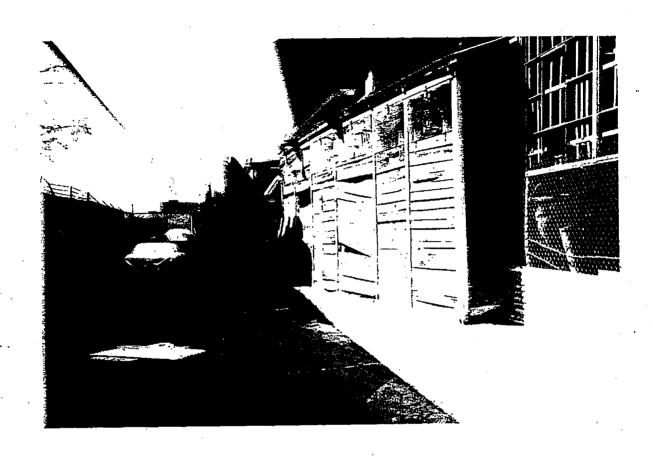
# Modern Pattern & Foundry Co. Inc. (MP) North Side

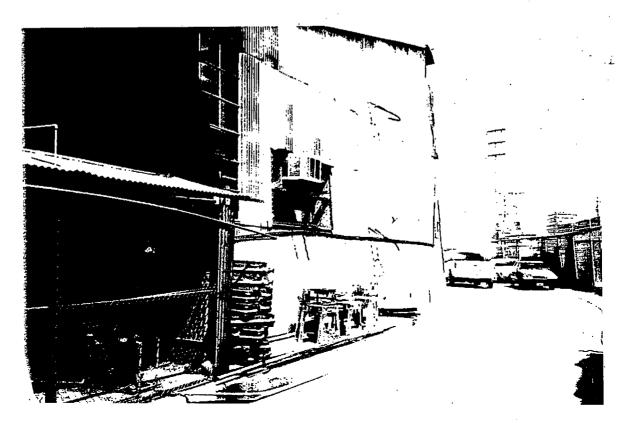


Modern Pattern & Foundry Co. Inc. (MP)

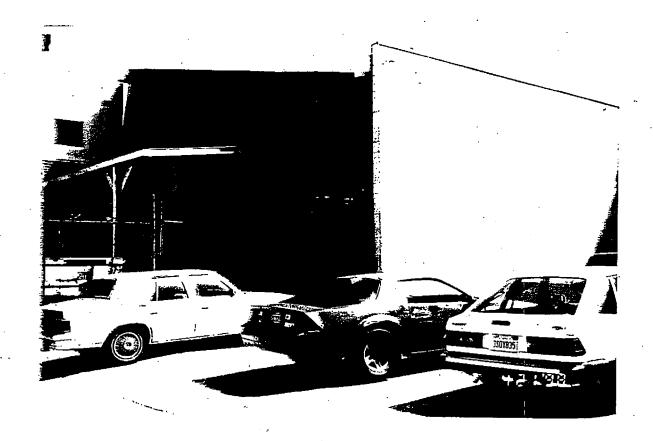


# Modern Pattern & Foundry Co. Inc. (MP) East (back)

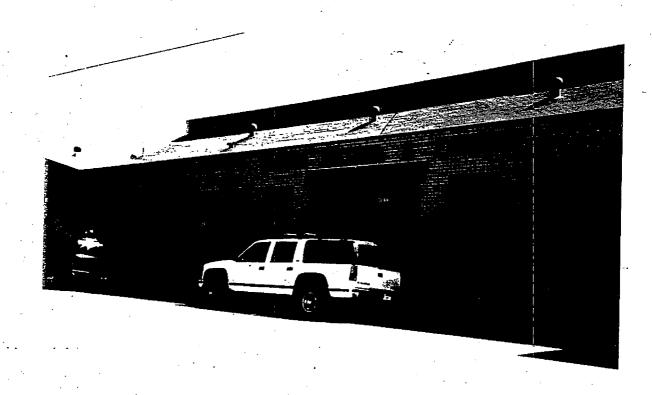




# Modern Pattern & Foundry Co. Inc. (MP) South Side (joins another manufacturer)



# Modern Pattern & Foundry Co. Inc. (MP) Front (west)



# Modern Pattern & Foundry Co. Inc. (MP)



#### Attachment C

# SITE SCREENING SAMPLING EVENT SUMMARY TABLE

Site Name: MP			Site Screener:	Teresa Hom				
Date	Event	Media	Location	Depth	Method	Quality	Result	Benchmark
none							<u> </u>	

Key:

Date - Date sample was collected. Event - Who did it and why?

Media - e.g., groundwater, soil, air, etc.

Sample Location - Physical location with respect to source (e.g., up-or downgradient).

Sample Depth - For soil, depth below ground surface sample was collected. For groundwater, depth of well screen.

Method - Analytical testing method used.

Data Quality - QA/QC level (high, medium, or low)
Result - Analytical results (parameter/value, units)
Benchmark - Risk-based benchmark for parameters in
the same units as results. Identify which benchmark used
(for soil use PRGs (industrial/residential) for water use MCLs).
Sediments NOAA standards.



			-		
SITE NAME: Modern Pattern & Foundry Co, Inc			*EPA ID#	<del>4</del>	
ALIAS NAME(S): 1.		2.			
SITE ADDRESS:					
CITY:	STATE:		<del></del>	ZIP CO.	DE:
COUNTY:		SECTIO	N: SFD-		
REGIONAL LATITUDE:	REGION	AL LONG	GITUDE:		
IDENTIFIED BY:	NPL STA	ATUS:			
REMOVAL INITIATION DATE OR DISCOVERY DATE:		<b>_</b>		<del> </del>	
FED FAC IND Federal Facility Not a Federal I	Facility	Status U	ndetermine	d ·	
SITE TYPES (Check all that applys and designate one primary Manufacturing/Processing/Maintenance (Subcategory)  Primary   Secondary    Chemicals and allied products   Coal gasification   Coke production   Electric power generation and distribution   Electronic/electrical equipment   Fabrics/textiles   Lumber and wood products/pulp and paper   Lumber and wood products/wood preserving/treatment   Metal fabrication/finishing/coating and allied industries   Oil and gas   Ordnance production   Plastics and rubber products   Primary metals/minerals processing   Radioactive products   Tanneries   Trucks/ships/trains/aircraft and related components	Other (Subcate Primary	gory) [ Seconda     Agricultu     Contamin     Dust con     Ground v     Military/     Product s     Research     Retail/co     Spill or o     Transpor     docking     Treatmer  gory) [ Seconda     Coal     Metals	tral nated sedimental vater plume other ordinatorage/district , developmental ther one tine tation (e.g. site nt works/sep	e site with ance ribution ent, and te ne event railroad y	ith no identifiable source no identifiable source esting facility ards, airports, barge other sewage treatment
Waste Management (Subcategory)  Primary   Secondary    Radioactive waste treatment, storage, disposal	Recyclin (Subcate Primary	Non-meta Oil and g g gory)   Seconda Automob Batteries Ingetal rec	ry iles/tires /scrap meta covery ls/chemical nks	ls/seconda	nry smelting/precious g. solvent recovery)
PREPARED BY		,	DATE:	. —	
IMC: DATE:	INDUS:				DATE
OA/OC:	DATE:				•

# **DTSC 2010a**

California Environmental Protection Agency, Department of Toxic Substances Control, Envirostor files, List of Sites located in the City of Vernon, data accessed June 11, 2010.

IREPORTI IMAPI PLAZA - LOT 7

IREPORTI IMAPI PLAZA - LOT 7

VERNON INDUSTRY PLAZA LOTS 1-6

VERNON 90058

VERNON 90058

ANGELES LOS

ANGELES LOS

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#### **DEPARTMENT OF TOXIC SUBSTANCES CONTROL**

STATE RESPONSE

STATE RESPONSE

**ACTION** 

1								
PROJECT	SEARCH RESULT	'S	C	CLEANUP STATUS:	All Statuses		<u></u> GO	
SEARCH CRITERIA: VERNON, 90058, FEDERAL SUPERFUND SITES (NPL), STATE RESPONSE SITES, VOLUNTARY CLEANUP SITES, SCHOOL CLEANUP SITES, PERMITTED - OPERATING SITES, POST-CLOSURE PERMITTED SITES, HISTORICAL NON-OPERATING SITES, CORRECTIVE ACTION SITES								
19 RECORDS FOUND EXPORT				TO EXCEL		_	PAGE 1 OF 1	
	SITE / FACILITY NAME	SITE / FACILITY TYPE	CLEANUP STATUS	ADDRESS DESCRIPTION	CITY	ZIP	COUNTY	
[REPORT] [MAP]	AAD	STATE RESPONSE	ACTIVE	2306 E. 38TH STREET	VERNON	90058	LOS ANGELES	
[REPORT] [MAP]	AAD DISTRIBUTION & DRY CLEANING INC	ACTION	ACTIVE	2306 E 38TH ST	VERNON	900580000	LOS ANGELES	
[REPORT] [MAP]	AAD DISTRIBUTION & DRY CLEANING INC	, HAZ WASTE - UNDERGOING CLOSURE		2306 E 38TH ST	VERNON	900580000	LOS ANGELES	
[REPORT] [MAP]	ANR FREIGHT SYSTEMS, INC. TERMINAL	STATE RESPONSE	CERTIFIED - LAND USE RESTRICTIONS	3677 BANDINI BLVD	VERNON	90058	LOS ANGELES	
[REPORT] [MAP]	VERNON LOT 18	STATE RESPONSE	CERTIFIED	3300 EAST SLAUSON AVENUE	VERNON	90058	LOS ANGELES	
[REPORT] [MAP]	CALIFORNIA ENVIRONMENTAL SERVICES	CORRECTIVE ACTION	* INACTIVE	3691 BANDINI BLVD	VERNON	900580000	LOS ANGELES	
[REPORT] [MAP]	CALIFORNIA ENVIRONMENTAL SERVICES	HAZ WASTE - NON- OPERATING		3691 BANDINI BLVD	VERNON	900580000	LOS ANGELES	
[REPORT] [MAP]	CHEMCLEAR OF LOS ANGELES INC	CORRECTIVE ACTION	* INACTIVE	3165 E SLAUSON AVE	VERNON	900580000	LOS ANGELES	
[REPORT] [MAP]	CHEMCLEAR OF LOS ANGELES INC	HAZ WASTE - NON- OPERATING		3165 E SLAUSON AVE	VERNON	900580000	LOS ANGELES	
[REPORT] [MAP]	DC INDUSTRIAL SERVICES INC	HAZ WASTE - NON- OPERATING		4626 E 48TH ST	VERNON	900580000	LOS ANGELES	
[REPORT] [MAP]	DETREX CORP	CORRECTIVE ACTION	CERTIFIED	3027 FRUITLAND AVE	VERNON	900580000	LOS ANGELES	
[REPORT] [MAP]	EXIDE TECHNOLOGIES	CORRECTIVE ACTION	ACTIVE	2700 S. INDIANA ST.	VERNON	90058	LOS ANGELES	
[REPORT] [MAP]	EXIDE TECHNOLOGIES	HAZ WASTE - OPERATING PERMIT		2700 S INDIANA ST	VERNON	90058	LOS ANGELES	
[REPORT]	NI INDUSTRIES	CORRECTIVE ACTION	BACKLOG	5215 SOUTH BOYLE AVENUE	VERNON	90058	LOS ANGELES	
[REPORT] [MAP]	OLIN HUNT SPECIALTY PRODUCTS INC	CORRECTIVE ACTION	ACTIVE	4265-A CHARTER STREET	VERNON	900580000.	LOS ANGELES	
[REPORT]	PECHINEY	STATE RESPONSE	ACTIVE	3200 FRUITLAND AVENUE 3200 FRUITLAND AVENUE	VERNON	90058	LOS ANGELES	
[REPORT] [MAP]	SIEMENS WATER TECHNOLOGIES CORP	CORRECTIVE ACTION	ACTIVE	5375 S. BOYLE AVE.	VERNON	900580000	LOS	

Conditions of Use | Privacy Policy

**CERTIFIED - LAND USE** 

3300 E SLAUSON AVE

3300 E SLAUSON AVE

CERTIFIED

RESTRICTIONS

Copyright © 2007 Department of Toxic Substances Control 0.5625 seconds

# **DTSC 2010b**

California Environmental Protection Agency, Department of Toxic Substances Control, Letter to Fitzgerald, Tara, Weston Solutions, Inc., Re: Various Sites, PR # 30525107, May 28, 2010





# **Department of Toxic Substances Control**



Maziar Movassaghi Acting Director 9211 Oakdale Avenue Chatsworth, California 91311

May 28, 2010

Ms. Tara Fitzgerald
Weston Solutions
428 Thirteenth Street, 6<sup>th</sup> Floor, Suite B
Oakland, California 94612

VARIOUS SITES PR #30525107

Dear Ms. Fitzgerald:

On May 20, 2010, the Department of Toxic Substances Control received your facsimile dated May 20, 2010 requesting records under the Public Records Act. After a thorough review of our files, we have found that we have records pertaining to some of the sites/facilities referenced in your request but not all of them. Please see below.

### We have records for:

- Globe Union Incorporated, 5015 District Blvd., Vernon, CA 90058
- Stauffer Chem Co., 3250-3294 East. 25<sup>th</sup> Street, Vernon, CA 90058
- Stauffer Chem Co., 3200 26<sup>th</sup> Street, Vernon, CA 90058
- NI Industries a.k.a. Masco Tech. Norris Industries, 4900, 5215 and 5375 South Boyle Avenue, Vernon, CA 90058

#### We do not have records for:

Modern Pattern & Foundry Co. Inc., 5610 Alcoa Avenue, Vernon, CA 90058

After a thorough review of our files we have found that no such records exist at this office pertaining to the site/facility referenced above. However, your request has been forwarded to our Cypress office as they may have records for this facility.

Those records we do have will be ready for your review June 10, 2010. Please contact me at (818)717-6521 to arrange for an appointment to review the records.

Ms. Tara Fitzgerald Page 2 May 28, 2010

We would like to inform you about EnviroStor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: <a href="http://www.envirostor.dtsc.ca.gov/public">http://www.envirostor.dtsc.ca.gov/public</a>. Also, a computer is available in the Central Files of each DTSC Regional Office for use by community members to view EnviroStor.

Sincerely,

Vivien Tutaan/cs

Regional Records Coordinator

# **DWR 1968**

State of California, Department of Water Resources (DWR), Bulletin No. 104, Planned Utilization of Groundwater Basins: Coastal Plain of Los Angeles County, September 1968

STATE OF CALIFORNIA
The Resources Agency

Department of Water Resources

BULLETIN No. 104

# PLANNED UTILIZATION OF GROUND WATER BASINS: COASTAL PLAIN OF LOS ANGELES COUNTY

SEPTEMBER 1968

NORMAN B. LIVERMORE, JR. Administrator
The Resources Agency

RONALD REAGAN
Governor
State of California

WILLIAM R. GIANELLI

Director

Department of Water Resources

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LIBRARY UNIVERSITY OF CALIFORNIA DAVIS

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	ORGANIZATION	v	2	Water Management Flanning
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#### **FOREWORD**

At present, more than half the water supply of Southern California's south coastal area comes from its ground water basins. In general, extractions from this source exceed replenishments, resulting in a decline of ground water level elevations. The Central and West Basin Water Replenishment District and other water entities have contributed significantly in managing the basins effectively.

white the more man However, there is a need for information related to the optimum conjunctive use of ground water resources with other local and imported water supplies. all aim six in series.

The Department of Water Resources, recognizing this need, has undertaken a comprehensive study of the planned use of Southern California's major ground water basins. The Coastal Plain of Los Angeles County was selected as the first area to be investigated.

Statutory authority for the Department to conduct investigations of surface and subsurface water conditions is contained in Section 226 of the California Water Code. Statutory authority for investigation of ground water conditions is conferred under the Porter-Dolwig Ground Water Basin Protection Law, Water Code Section 12920 and those that follow, and Water Code Section 231.

148 July 1985

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In this investigation, comprehensive studies were made of the geology, hydrology, and operations-economics of the ground water basins in the Coastal Plain of Los Angeles County. Detailed information issuing from these studies was presented conline to ation issuing from these studies was presented earlier in Appendixes A, B, and C to Bulletin No. 101. This bulletin is intended to serve as a brief, but comprehensive summary of the findings of these studies.

> William R. Gianelli, Director Department of Water Resources The Resources Agency State of California August 26, 1968

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#### ACKNOWLEDGMENTS

The Department of Water Resources acknowledges the information and advice provided by various state and local agencies during the preparation of this report and its appendixes.

Especially helpful was the assistance of the following:

#### Federal Agencies

U. S. Geological Survey, Long Beach

#### State Agencies

Department of Conservation, Division of Mines and Geology and Division of Oil and Gas Department of Public Works, Division of Highways Public Utilities Commission Water Resources Control Board

#### Los Angeles County Agencies

Assessor Regional Planning Commission Sanitation Districts of Los Angeles County Waterworks Districts 10, 13, and 16 Museum of Natural History

#### Special Districts

Central Basin Municipal Water District
Central and West Basin Water Replenishment
District
Downey County Water District
Los Angeles County Flood Control District
The Metropolitan Water District of
Southern California
Orange County Water District
Orchard Dale County Water District
South Montebello Irrigation District

# City Water Departments

Bellflower
Beverly Hills
Compton
El Segundo
Hawthorne
Huntington Park
Inglewood
Lakewood
Long Beach

Los Angeles
Lymwood
Manhattan Beach
Santa Monica
Signal Hill
South Cate
Torrance
Vernen
Whittier

### Private Water Commenies

California Water Service Company
Conservative Water Company
Domingues Water Corporation
Laguna Maywood Mutual Water Company
La Habra Heights Mutual Water Company
La Mirada Water Company
Maywood Mutual Water, Company No. 3
Montebello Landy and Water Company
Pacific Water Company
Park Water Company
Park Water Company
San Gabriel Valley Water Company
Somerset Mutual Water Company
Southern California Water Company
Southwest Water Company
Suburban Water Company
Tract 180 Mutual Water Company
Walmit Park Mutual Water Company
Walmit Park Mutual Water Company

#### Other Companies

Continental Can/Company, Inc.
McDonnell-Douglas Corporation
Electronic Associates
Fibreboard Paper Products Corporation
The Flintkote Company
International Business Machines Corporation
Mobil Oil Company
Oil Operators, Inc.
Atlantic Richfield Corporation
Shell Oil Company
Signal Oil and Gas Company
Standard Oil Company of California
Texaco, Inc.
Union Oil Company of California
Western Oulf Oil Company

### Universities and Colleges

The Associated Colleges of Clarement
The California Institute of Technology
California State College at Long Beach
The University of California at Los Angeles
The University of California at Riverside
The University of Southern California

#### <u>Other</u>

Southwest Museum San Gabriel Valley Protective Association

#### State of California The Resources Agency DEPARTMENT OF VALUE RESOURCES

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RORALD REMOIN, Governor RESEARCH B. LIVERRICH, JR., Administrator, The Resources | VILLIAN R. OLANGII, Director, Department of Water Ras

#### SOUTHERN DISTRICT

#### Title bulletin was propared by

#### Andated by

. . . Associate Engineering Scalagist Associate Engineer, tater Resources Associate Engineer, Water Resources

#### . : CALIFORNIA WATER COMMISSION

IRA J. GRIBMAN, Chairman, Visalia : . . .

WILLIAM H. JERNING, Vice Chairman, In Hean.

Att the MATE

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GIATE A. HILL, Redding

RIMIN MOSTER; Seartwills WILLIAM P. HOSES, Sen Publo RAT W. PERCENCE, Octavio
RAKIDW R. MALER, Venture

Service Control of the PROOF OF STREET

HEFERT V. OREYDARIS

#### Abstract

The water demand of the Coastal Plain of Los Angeles County is approximately 860,000 acre-feet a year at present and is expected to grow to 1,200,000 acre-feet by 1990. Water supply from various sources which include the los Angeles Aqueduct, the Colorado River Aqueduct and soon the State Water Project will be adequate at least until 1990 one of these sources of supply is the ground water basin in the Coastal Plain. Approximately 35 million acre-feet of fresh water is believed to be in storage at present. In the report, four alternative plans of conjunctive use of ground surface water requirements in the service area were analysed. From this analysis understanding evolved regarding the economic impact of pumping schedule and pattern, spreading schedule of imported water, and mathods of preventing sea-water intrusion. It was found that the most significant economic factors are the price of imported water and the proportionate use of imported water and ground water in storage.

#### CONCEPT UNDERLYING WATER PLANNING

Water is a commodity that meets basic human needs; without it, life cannot continue. This fact has made us somewhat emotional about water and we have come to treat water differently from other commodities.

However, water is a most abundant commodity. It cannot be destroyed; it is used and then it returns to be used again. Water is around us in many forms. By means of treatment and timely delivery, which may be either expensive or inexpensive, this water can be put to all uses to meet our needs any place on earth. It is, then, not difficult to conclude that all the water needs of any area, now and in the future, can be met with proper planning.

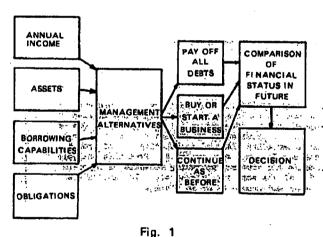
ELEMENTS OF PLANNING. An analogy between financial planning and water resources planning will help to identify the elements to be considered.

Figure 1 represents the components that are considered in family financial planning. To ensure

sound financial planning, a complete inventory must be taken of supply of money in terms of annual income, assets, and borrowing capabilities, as well as an inventory of financial obligations. For financially advantageous decision-making, various alternative ways of meeting financial obligations and of increasing income must be considered very carefully. Only after a full evaluation of the advantages and limitations of various alternatives should a plan be selected and implemented.

Figure 2 represents the analogous components of water resources planning. This process involves:

- Inventory of needs, supplies and associated facilities.
- 2. Formulation of alternative schemes of meeting needs.
- 3. Evaluation of advantages and limitations of alternatives.
  - 4. Selection of a plan.
  - 5. Implementation of the selected plan.



FINANCIAL MANAGEMENT PLANNING

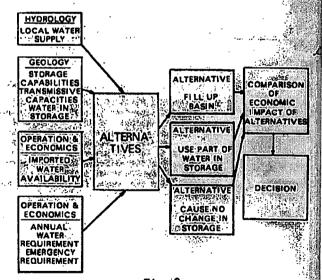


Fig. 2 WATER MANAGEMENT PLANNING

# I INTRODUCTION

The management of its water resources has been of vital concern to Southern Callfornia from the time it was first settled. This has been especially true in the Coastal Plain of Los Angeles County. The increasing demand for water in this area and the economic realities of obtaining that water have made it clear that local water managers must have available to them information related to comprehensive alternative water supply plans in order to make an informed selection of the most/suitable plan. A necessary prerequisite to the formulation of such plans is the collection and analysis of data pertinent to the problems of water need and supply, especially concerning the ground water resources.

A study has been completed to furnish information on alternative plans. Its findings, in detail and in depth, were published previously in Appendixes A. B, and C, to Bulletin No. 101, covering the areas of geology, hydrology, and operations and economics. These findings are summarized in this bulletin.

## OBJECTIVE OF THE INVESTIGATION

The objective of the investigation is to provide information on a wide range of alternative plans to be used as a guide by local agencies for selecting a plan for managing the ground water supplies in the Coastal Plain in coordination with surface water supplies and facilities.

#### AREA OF INVESTIGATION

The region selected for this study lies in the heart of the Los Angeles urban complex. It covers approximately 600 square miles and contains all or part of 12, incorporated cities, including a large part of the metropolitan section of the City of Los Angeles.

Physically, the Coastal Plain of Los Angeles County is an almost featureless, semiarid flatland that slopes gently toward the sea (Figure 3). On the north, it is bounded by the Santa Monica Mountains, extending inland from Malibu. On the northeast, the plain is hemmed in by another mountainous ridge, though not as steep, formed by the Elysian, Repetto; Merced, and Ruente Hills. Through them slice the channels of the Los Angeles and the San Gabriel Rivers and the Rio Hondo on their journey to the ocean. To the south, the massive hump of the Palos Verdes Hills forms a solid barrier between Santa Monica Bay and San Pedro Bay. The Coastal Plain is bounded on the west by the Pacific, while its eastern boundary is not a physical, but rather, a political, onethe line that separates los Angeles County from Orange County.

Annual precipitation for the study area averages about 15 inches and varies widely from year to year as shown on Figure 1.

At present, more than 4,000,000 persons live within the los Angeles County

Coastal Plain and current population projections indicate that by 1990 there may be considerably more than 5,000,000—an increase of more than 25 percent. Today, the area needs and uses some 860,000 acre-feet of water a year.

The use of water in the Coastal Plain has shifted from agricultural to urban-suburban. In 1880, some 27,000 acres of the Coastal Plain were being irrigated for farming. About 9,000 acres were either urban or suburban, most of it confined to los Angeles, Santa Monica, and Wilmington.

Fifty years later, this condition was completely reversed. By 1930, the agricultural area had increased to 80,000 acres, while the urban-suburban area had grown to 160,000 acres. During the next three decades, urban expansion con-

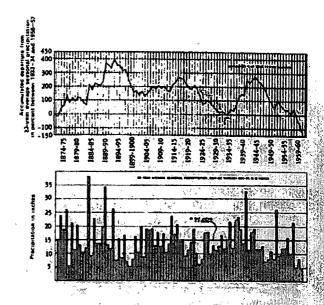


Figure 4 - SEASONAL PRECIPITATION

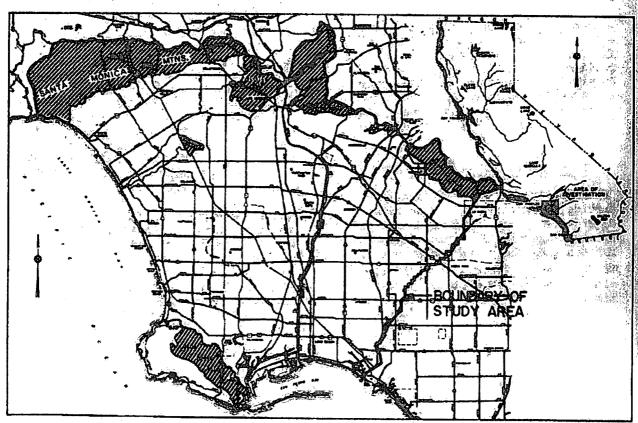


Figure 3 - LOCATION MAP OF THE COASTAL PLAIN OF LOS ANGELES COUNTY

tinued unabated. By 1955, rural acreage in the Coastal Plain had shrunk to its 1880 level, whereas urban-suburban acreage had increased to 270,000 acres and, by 1990, will increase to more than 300,000 acres, or more than 80 percent of the total land area of the Coastal Plain:

This tremendous growth of the Coastal Plain's urban-suburban complex increased demand for water enormously. In 1868, when the first artesian well was drilled near Downey, flowing wells could have been found in half the area of the Coastal Plain. By 1901, however, their number had diminished by about 50 percent. The dwindling number of flowing wells naturally caused concern about future supplies of ground water. In 1903, the City of Los Angeles decided to import water and work was begun on the Los Angeles Aqueduct, designed to bring water to los Angeles from the Owens Valley, more than 200 miles distant. On November 5, 1913, the first water flowed into the San Fernando Reservoir.

As time went on, and the Coastal Plain steadily developed, this source began to be considered insufficient. By 1920, ground water levels in a portion of the study area had dropped below sea level and, by 1932, sea-water intrusion was occurring. In 1941, The Metropolitan Water District of Southern California (MWD) completed the Colorado River Aqueduct, which brought water from that river to supplement the Coastal Plain's other sources.

Even after the introduction of Colorado River water, however, the Coastal Plain's industrial-domestic complex and agriculture continued to depend largely on ground water. Consequently, the pumping amounts increased greatly, causing ground water levels in the coastal basins to drop further.

Nevertheless, many users continued to rely on ground water because it is cheaper to pump water out of the ground than to purchase imported water. But the continued decline in water levels due to dry seasons and mounting demand aroused a good deal of concern. Users were particularly apprehensive lest they suffer economic lbss, as well as loss of

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Figure	5 - WATER SUPPLY.	HISE AND DISPOSAL		
		COL. KILD OLD OOKE		3.5

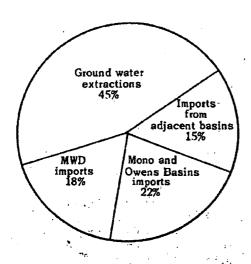


Figure 6 - COMPARATIVE MAGNITUDE OF SUPPLY IN 1957

their vested rights to the ground water. This has led to litigation and, in some areas, adjudication of rights for the use of ground water, resulting in the curtailment of its use.

Figure 5 summarizes the data on the average annual supply and disposal during the base period in the Coastal Plain, and Figure 6 provides information related to the breakdown of the sources of water to meet the demand of the area for the year 1957.

#### CONDUCT OF INVESTIGATION

The work program for this investigation was divided into three phases: geology, hydrology, and operation-economics. The first two phases were conducted to develop information related to the locally available water supplies in the area and also to develop information required to formulate a mathematical model of a ground water basin that will simulate its water level responses under various postulated plans of basin operation. The model was then used in the operational-economic phase of the investigation in which the

cost of water service under those alternatives was determined.

This investigation dealt with the future water service in the study area. Therefore, a number of factors affecting the supply of water and the cost of water service could not be predicted conclusively. It was assumed for some factors that the condition which existed in 1963, the beginning period of the investigation, would remain unchanged. For others, it was necessary to assume conditions that might develop in the future. During the investigation, some of these assumed conditions changed and they are expected to continue to change. To determine the effects of changing conditions on the economic findings of the study, an evaluation was made of the impact of these changes.

Techniques employed in this study are:

(1) a mathematical model of ground water basins;
(2) a method for determining deep percolation into ground water basins;
(3) a mathematical model of major distribution systems; and (4) a procedure for determining the most economical combination of surface and subsurface facilities.

Because these techniques would have required tedious and time-consuming computations; both analog and digital computers were used.

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In the study of the alternative plans for basin operation, all water supplies—including ground water in storage—received full consideration. Thus, a wide range of alternative plans of basin operation were studied operationally and economically in coordination with surface water supplies. This study was made to evaluate the economic impact of operational variables. The result ing information can serve as a guide to loca water agencies in selecting a plan of operation. Legal, political, and organizational factors, which are beyond the scope of this report, must be considered by local agencies in selection of a plan.

# II INVENTORY OF WATER DEMAND AND SUPPLY

To develop effective plans for managing an area's water resources, it is essential to know the magnitude of not only water demand, but also of all available water supplies.

Market .

#### WATER DEMAND

The total demand for delivered water in the Coastal Plain comprises demands for applied water, injection water, and spreading water. The applied water is mainly for municipal and industrial consumption. The injection water is for creating fresh water barriers to protect the ground water basins against sea-water intrusion. This water incidentally replenishes the basins. The spreading water is for replenishment of the ground water basins.

The water demands of the Coastal Plain have increased rapidly, from 450,000 acre-feet in 1940 to 860,000 acre-feet at present. It is anticipated that demand will continue to grow rapidly until 1980, but only gradually after that time. The demand for 1980 was projected to be approximately 1,160,000 acre-feet, and for 1990, 1,220,000 acre-feet.

To ensure that adequate facilities are provided to meet fluctuating applied water demands, information on monthly and hourly demand on a day of maximum water demand must be considered. For the Coastal Plain, the peak monthly demand is about 130 percent of the average monthly demand. The average demand on a day of maximum use is about 180 percent of the average daily demand.

The peak hourly water demand is about 200 percent of the average hourly demand on a day of maximum use, or 360 percent of the average hourly demand (Figure ?).

The demand for injection varies with ground water level elevations along the coast. The amounts required for existing and proposed barrier projects can be estimated by utilizing the information on ground water level responses developed by a mathematical model of the basins.

Depending on the plan of basin management, the demand varies for imported water to be spread in the Montebello Forebay area where it can be stored for transmission through the ground water basin to the point of use.

#### WATER SUPPLY

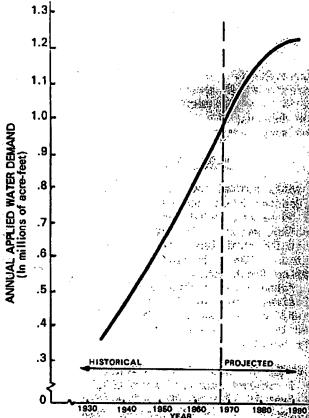
Supplies to meet the various water demands in the Coastal Plain consist of imported water and locally pumped ground water. In addition to these sources, reclaimed water, which is anticipated to increase in amount, furnishes a small supply which is spread.

The local water supply to the study area has been stabilized by the court-approved agreement between the parties in the upper and lower basins of the San Gabriel River Drainage area which provides an average of 98,415 acre-feet per year from the upper basin to the area below the Whittier Narrows.

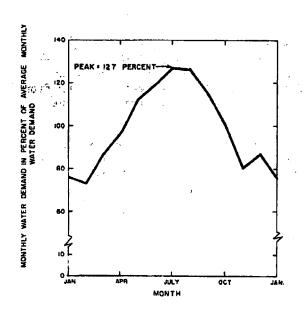
To supplement Southern California water supplies, construction of a dual-purpose nuclear power generation and sea water

HISTORICAL	AND PROJECTED
WATI	ER DEMAND
	WATER DEM

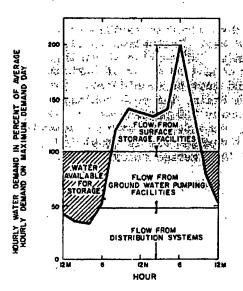
YEAR	WATER DEMAND (ACRE-FEET)
1935	370,000
1940	450,000
1950	610,000
1960	800,000
1970	1,001,000
1980	1,163,000
1990	1,218,000



PAST AND PROJECTED APPLIED WATER DEMANDS FOR THE COASTAL PLAIN OF LOS ANGELES COUNTY



**AVERAGE MONTHLY WATER DEMAND** 



CINAMEÓ TETAW, YJRUOH JASIGYT ON AMAMEN RETAW MUMIXAM A NO YAG

Figure 7 - WATER DEMAND

conversion plant on Bolsa Island in Orange County has been considered for many years by The Metropolitan Water District of Southern California (MWD). However, present indication is that the plant will not be built.

#### Imported Water Supply

Present supplies of imported water in-Present supplies of imported water include Colorado River water, Owens River-Mono Basin water, ground water from the San Fernando Valley, and ground water and reclaimed waste water from the San Gabriel Valley. In the future, these supplies will be augmented by water from the State Water Project. the State Water Project.

Colorado River water, which is distrib-uted by MWD, is a major source of imported water to the Coastal Plain. Softened, filtered; and untreated waters are now available for use from MMD. Softened and Basiltered waters are used for applied water and water, filtered water for applied water and injection, and untreated waters for spreading.

Before 1972, the delivery of imported water to the Coastal Plain by MwD would be limited either by the capacity of the delivery system to provide water at specified pressures or by the available supply from the Colorado River. In the event of a water shortage, which cannot be anticipated before 1990, this water would be allocated among member agencies of MAD by each agency s preferential rights and would be limited to the combined supply from the Colorado River and the State water Project after 1972. The The preferential rights of the member agencies are based on all payments made by each agency to MND, exclusive of payments for purchased water. THE PARTY OF THE PROPERTY OF THE PARTY OF TH

The State Water Project will begin delivering water to Southern California in 1971 At that time, MWD will begin importing a portion of this supply to the Coastal Plain through a planned increase in the delivery capacity of its distribution system. 

Water imported by MWD is a supplemental source of supply to the Los Angeles

Department of Water and Power, which utilizes two primary sources to supply the City's needs in the Coastal Plain: imported water from the Owens River-Mono Basin and ground water from San Fernando Valley.

In view of the anticipated rate of development in the San Fernándo Valley, more water imported from Owens River-Mono Basin will be used in the valley by the City of Los Angeles. However, exports of ground water from the valley to the Coastal Plain will continue. Because additional water from the Owens River-Mono Basin will be required, the City of los Angeles, in 1964, initiated construction of the Second Los Angeles Aqueduct. The estimated importation schedules of ground water from San Fernando Valley and the Owens River-Mono Basin by the Los Angeles Department of Water and Power to the Coastal Plain are:

Year	Quantity in
1969	309,000
1970	300,000
1 <i>9</i> 75 1 <i>9</i> 80	- 本 素 <b>260g000</b> で (新報道) (400) - <b>221g000</b> (400) (400)
	141,000

an international automorphic stages beat open into a right ball, in the The Los Angeles Department of Water and Power has reported that the foregoing values should be reduced by 30,000 acrefeet per year if the 1968 trial court decision is upheld in the case of City of Los Angeles vs. City of San Fernando, et al. on margin 2 feet to the first of the

Definited this of alphabet to a pure In addition to the water imported into the Coastal Plain by MWD and the Los Angeles Department of Water and Power approximately 23,000 acre-feet annually has been pumped from the ground water basin or diverted from streams in the San Gabriel Valley and delivered to the Coastal Plain during the hydrologic study period of this investigation. It was assumed for the purpose of this investigation that approximately the same amount would be delivered from the San Gabriel Valley to the Coastal Plain in the future.

Approximately 16,000 acre-feet of reclaimed waste water is imported from the San Gabriel Valley and is spread in the Montebello Forebay below Whittier Narrows.

Los Angeles County Sanitation Districts now plan to double the capacity of this plant to increase the amount of water available for spreading.

#### Local Water Supply

Among the local supplies -- surface water, ground water, and reclaimed water -- ground water is the most important resource. Because of the intermittent nature of runoff in streams, the direct use of surface water is negligible. The los Angeles County Sanitation Districts are contemplating the construction of reclamation plants in the Coastal Plain. These plants may in time play a vital role in meeting the Coastal Plain's spreading and injection water demands.

# DETAILED DISCUSSION OF GROUND WATER SUPPLY

To estimate the supply potential of ground water to meet the area's needs, it is essential to determine the amount of fresh water currently in storage and the long-term average replenishment by deep percolation and subsurface inflow in the ground water basins.

#### Currently Available Water in Storage

The Coastal Plain of Los Angeles County consists mainly of unconsolidated sediments or alluvium underlain by and bounded on the north and east by bedrock. On the west and south, it is bounded by the Pacific Ocean. Ground water is stored within the interstices of these unconsolidated sediments and, to a limited arount, in fractures of nonwater-bearing rocks that bound the area.

The Coastal Plain has been divided into four ground water basins by geological and surface features, as shown on Figure 8. Two of these four ground water basins are southwest and two are northeast of

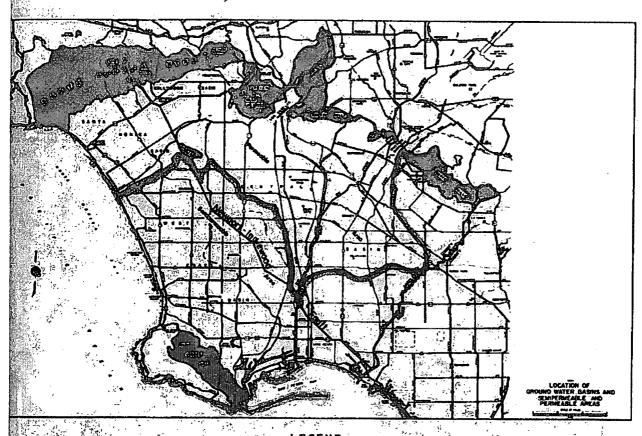
the series of low hills formed by the uplifts along the Newport-Inglewood fault.

The Santa Monica Basin extends south from the Santa Monica Mountains to the Ballona escarpment between the fault and the Pacific Ocean. The West Coast Basin extends southeast to the Pallos Verdes Hills, San Pedro Bay, and Orange County. The Hollywood Basin extends eastward to the Elysian Hills and south to the La Brea high, formed by the Newport-Inglewood fault. The Central Basin borders the Hollywood Basin on the south and occupies the rest of the Coastal Plain of Los Angeles County east of the Newport-Inglewood fault.

Both granitic and consolidated sedimentary rocks are considered nonwater bearing because their specific yield is negligible. They form a base of the Coastal Plain's ground water basins when impermeable sediments, such as clay and silty clay, are not found above them. Where thick layers of these impermeable sediments are found above the bedrock without significant quantities of water-bearing materials between them and the bedrock, their surface is considered a base of the subsurface reservoir.

A contour map (Figure 9) was drawn connecting the points of equal elevation of the base of the water-bearing material. The elevation of the base ranges from sea level at the Santa Monica Hills and Palos Verdes Hills to more than 3,000 feet below sea level in the southcentral part of the Coastal Plain.

Not all the water in the Coastal Plain aquifers can be extracted. Even when an aquifer is supposedly purped "dry", a small amount of water rerains as a thin film coating the particles of sand and gravel. The percentage of water that is still retained by the sedirent is technically termed "specific retention". On the other hand, the ratio of the volume of water in saturated soil that can be removed by gravity drainages to the total volume of saturated sedi-



LE BOUNDARY OF INVESTIGATIONAL AREA

BASIN BOUNDARY

#### LEGEND

HILL AND MOUNTAIN AREAS

BOUNDARY OF SEMIPERMEABLE AREA

BOUNDARY OF PERMEABLE AREA

Figure 8

ment is technically termed "specific yield". Hence, as employed by hydrologists, the word "storage" refers only to the actual net amount of water that can be removed from sediments.

BOUNDARY OF WATER-BEARING MATERIAL

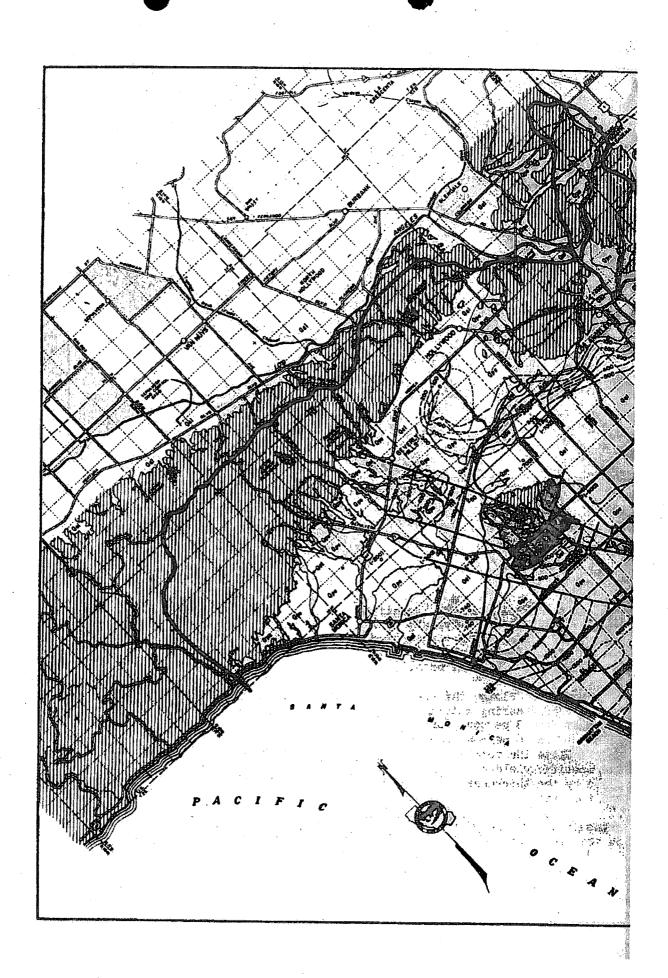
In the Coastal Plain, the specific yield of the water-bearing materials was estimated at from 3 percent for the finer materials to 26 percent for the coarser. To calculate the total storage capacity, the specific yield of the area was multiplied by the thickness of the aquifers and the area.

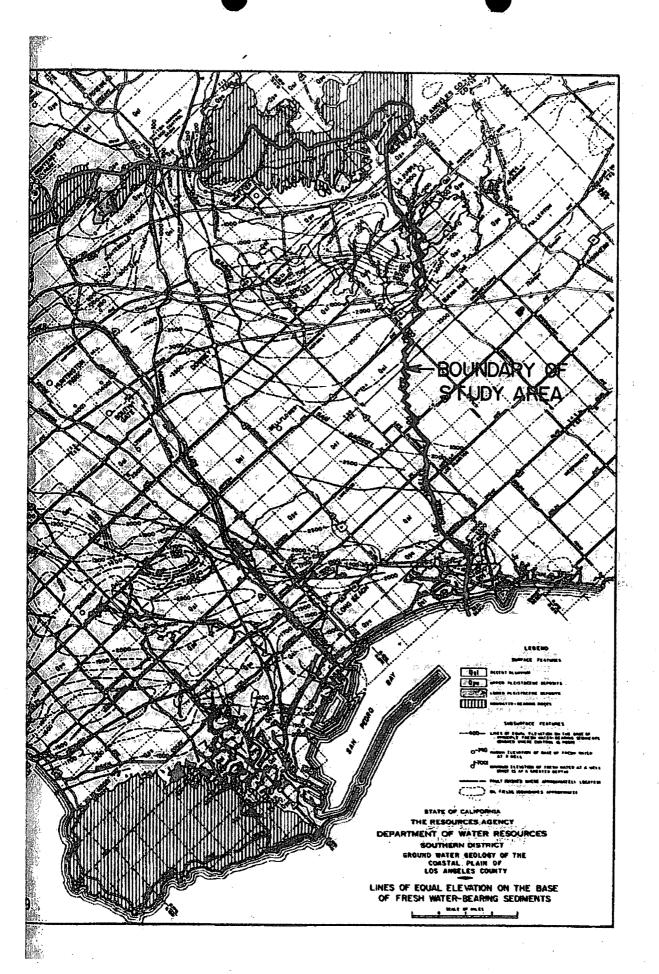
Although the volume of fresh water stored in the ground water basins in the Coastal

Plain was estimated to be 20 million acrefeet in an earlier study, a recent evaluation indicated that about 35 million acrefeet is stored at present. Of this amount, about 29 million acrefeet is stored in the top 1,200 feet of sediments. However, the amount of ground water that can be extracted is limited by physical and economic considerations.

## Replenishment of Ground Water.

The ground water basins are replenished by subsurface inflow, injection of water for sea-water intrusion barriers, and deep percolation of water from various sources. These sources are precipita-





tion and resulting runoff, applied water, and imported and reclaimed water in streambeds and spreading grounds.

Deep percolation due to precipitation occurs both inside and outside of streambeds. Within the streambed and spreading grounds, under mean precipitation conditions, about 48,000 acre-feet is estimated to percolate annually. Of this amount, 10,000 acre-feet is derived from storm: runoff, originating within the study area and as flow from the San Gabriel Valley, and 38,000 acre-feet from water seeping into the streambed in the San Gabriel Valley because of high water tables. The 48,000 acre-feet of percolation occurs in a portion of the San Gabriel River streambed located in the forebay portion of the Central Basin, in the existing spreading grounds adjacent to the Rio Hondo and the San Gabriel River in the Montebello Forebay and in the existing spreading grounds adjacent to the Los Angeles River in the Dominguez Gap. Outside the streambed, the deep percolation from precipitation averages approximately 29,000 acre-feet per year.

Deep percolation from applied water results from irrigation of gardens and other areas and also from water discharged into cesspools. Because of the diminishing size of irrigated areas and the decreasing number of cesspools the deep percolation from applied water is expected to decline in the future.

Significant amounts of imported water have deep percolated in the past in a portion of the San Gabriel River streambed in the Central Basin and in spreading grounds. The amount of deep percolation from this source depends upon the delivery capacity of the pipeline and the availability of replenishment water from MWD.

Also, ground water basins will be incidentally replenished by the injection of fresh water to maintain barrier projects to prevent sea-water intrusion along the coast. The amount injected

depends upon the water level elevations that develop along the coast as a result of ground water basin operation.

In addition to the runoff from storms and water seeping out from streambeds in San Gabriel Valley because of high water tables; water reclaimed from waste water originating in the San Gabriel Valley is available for conservation by spreading in the Coastal Plain. The annual amount currently available for spreading is 16,200 acre-feet; which is about equal to the existing capacity of the Whittien Narrows Reclamation Plant:

Subsurface inflow also adds to the ground water supply of the area. surface inflow of fresh water has occurred in the past and may be assumed to occur in the future at the los Angeles Narrows and Whittier Narrows. The average annual subsurface inflow was estimated to be 200 acre-feet for the Los Angeles Narrows and 28,000 acrefeet for Whittier Narrows. With respect to flow across the Los Angeles-Orange County boundary line both subsurface inflow and outflow have occurred, depending upon levels in adjoining basins. The amounts of inflow in the future at each location would vary with each plan of basin operation both within and outside the Coastal Plain

# Reduction of Water from Ground Water Basins?

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The emount of ground water in storage is reduced by subsurface outflow and pumping of ground water. Prior to initiation of the investigation, the average subsurface outflow was small.

In 1963, about 40 percent, or about 300,000 acre-feet, of the demand of the Coastal Plain for applied water was met by water pumped from ground water basins. In the future, the amount to be taken out of the basins by pumping will depend upon the plan of basin operation to be implemented.

# III INVENTORY OF FACILITIES

Supply facilities within the Coastal Plain are those required for transmission and storage of surface and ground water to meet the fluctuating demand for applied water, spreading water, and fresh water barrier projects.

A highly developed network of both surface and ground water facilities for storage, transmission, and extraction exists within the Coastal Plain to meet the applied water demand of residential, industrial, and commercial entities, and the very small water requirement of agriculture.

# GROUND WATER BASINS AS DELIVERY FACILITIES

The ground water basins can be considered as a part of this network of facilities as is illustrated by the analogy between the physical characteristics of the ground water basins and surface distribution systems.

The rate of deep percolation and subsurface inflow into a ground water reservoir is comparable to the rate of inflow into a surface reservoir. The storage capacity of a ground water basin is comparable to the storage capacity of a surface reservoir. The transmissive characteristics of the aquifers of a ground water basin may be compared to the delivery characteristics of a distribution system. Finally, the piezometric pressure and ground water table in a basin are analogous to the hydraulic grade line elevations in a surface distribution system.

Using equations that numerically describe the flow characteristics of ground water basins and surface distribution networks, it is possible to calculate the capabilities of these water delivery media and to determine the additional facilities required. This determination makes it possible to estimate the cost of water service under various plans of basin operation.

To integrate the ground water basins into the delivery facility, a mathematical model of a basin was developed. First, however, surveys were made of the areal extent, boundaries, thickness, structures, storage capacities, and transmissibilities of aquifers. This information was then consolidated to represent an "equivalent aquifer", a composite combining the essential physical features of 11 major Coastal Plain aquifers. Those features furnished the coefficients for a set of equations simulating storage and flow in the equivalent aquifer. This set of equations, with proper values for the coefficients, is the ground water basin mathematical model. The 82 equations required for this study were solved by a general purpose analog computer because the manual simultaneous solution of these equations would have been impossible. 

The ground water basin mathematical model was used to estimate future ground water level elevations at various parts of the Coastal Plain under various alternative plans of basin operation.

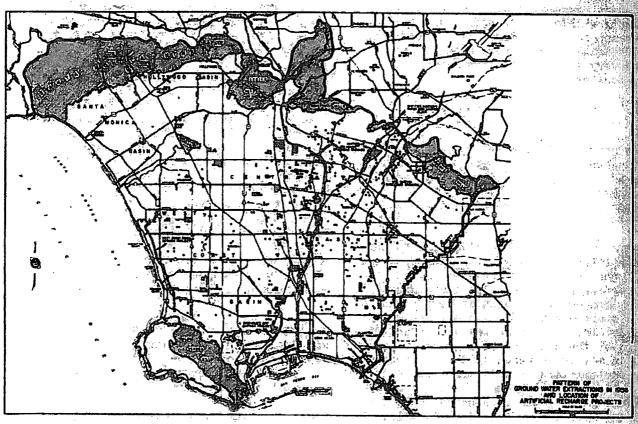
When the ground water basins are regarded as a transmission facility, streambeds

and man-made spreading grounds may be considered as the initial point of the delivery facility and wells may be considered as the terminal point. In addition to the San Gabriel River bed, which is a natural spreading facility with an approximate capacity of 120 cubic feet per second, four man-made spreading facilities exist in the area adjacent to the Rio Hondo and San Gabriel River in the Montebello Forebay, and adjacent to the Los Angeles River in the Dominguez area.

The total infiltration capacity of the spreading grounds in the forebay is about

570 cubic feet per second, which is equivalent to about 400,000 acre-feet per year, provided the infiltration rate is not reduced by a ground water mound that could develop beneath the spreading site. Usable capacity, however, is limited because of the need to rotate the use of percolation basins within the spreading grounds.

A large number of wells, the terminal points of a ground water delivery facility, are scattered throughout the Coastal Plain. The distribution of these wells and the approximate magnitude of ground water pumpage in various areas are shown on Figure 10.



#### LEGEND

- BOUNDARY OF INVESTIGATIONAL AREA
- --- BOUNDARY OF WATER-BEARING MATERIAL
- -- BASIN BOUNDARY
- HILL AND MOUNTAIN AREAS
- EXISTING SPREADING GROUNDS

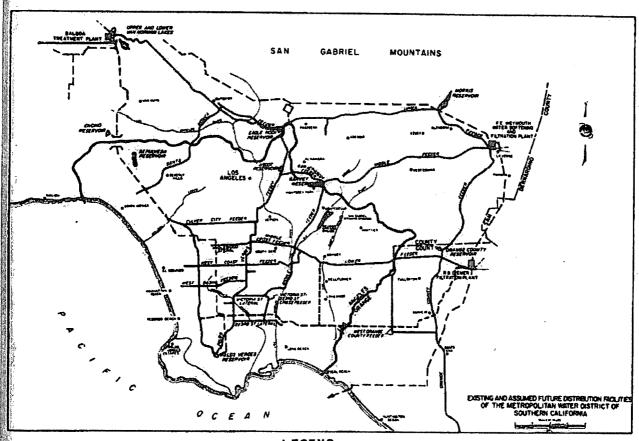
- EXISTING BARRIER FACILITIES OPERATED BY LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
- -- PROPOSED BARRIER FACILITIES BY LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
- EACH DOT REPRESENTS ANNUAL GROUND WATER EXTRACTIONS OF 500 ACRE—FEET

Figure 10

Because the water injected in fresh water barriers to prevent sea-water intrusion along the coast contributes to the supply of water in ground water basins, these operated by the City of Ios Angeles to barriers can be also considered as initiating bring water from outside the Coastal points of water delivery facilities. At present, there are two barrier projects located in West Coast Basin along Santa Monica Bay and at Alamitos Gap. A barrier project will be constructed at Dominguez Gap soon. The lengths of these existing and planned projects are about 9 miles, 2 miles, and 4 miles, respectively.

## IMPORTED WATER DELIVERY FACILITIES

The distribution systems owned and Plain are adequate for the delivery of the scheduled amounts of water to the area. The existing and proposed facilities of MWD and the State Water Project are also adequate to meet the demand for imported water in the Coastal Plain at least to 1990 under any economical plan of basin operation. The primary pipeline



LEGEND

- BOUNDARY OF INVESTIGATIONAL AREA
  - EXISTING FACILITIES
- PROPOSED FACILITIES

Figure ()

network of MWD in the Coastal Plain is shown on Figure 11.

#### COMMON DELIVERY FACILITIES

Many of the water delivery facilities would be required no matter what plan is adopted for meeting the water requirement in the Coastal Plain. This group of facilities would include small pipelines beyond the connection to the MWD's pipelines. The distribution systems owned and operated by both private and municipal agencies, such as the pipeline networks of the City of los Angeles and the City of long Beach, would also be in this category.

## IV ECONOMIC EVALUATION

The Coastal Plain ground water managers can best understand the changes in their water service requirements and the political, legal, social, and organizational forces that influence management decisions. These forces may play a dominant role in the selection of a management plan and often override cost and benefit considerations. For these reasons, basin management must remain in local hands.

This investigation was restricted to the physical and economic aspects of basin operation. In considering the costs and benefits of alternative plans of operation, the measure of the benefits is satisfying the applied water demands for the study area. As these water demands (benefits) are common to all plans, one merely needs to estimate the costs of the plans to determine their economic advantages.

There are two extremes in providing water service. One is to rely exclusively on ground water basins as a source of water and the other is to use imported water facilities exclusively. Between these two extremes lies a great range of possible alternatives, as may be surmised by referring to Figure 12.

Operational possibilities for utilizing the ground water in storage are also numerous. The amount of ground water in storage could be increased to halt saline intrusion, or it could be left unchanged on even decreased from the present level by maintaining freshwater barrier projects along the coast.

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#### VARIABLES

The variables in the operation of the ground water basins are the timing, amounts, and locations of both extraction and artificial replenishment. In addition, the method of preventing saline water intrusion also could be considered as an operational variable. These factors can be expressed in terms of:

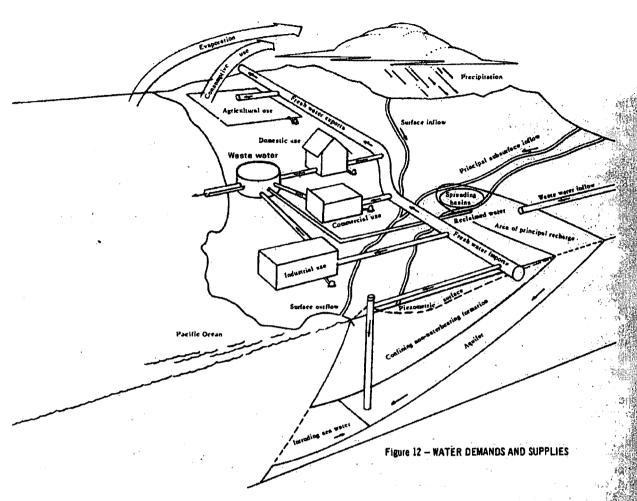
- Spreading schedule of imported water at the Montebello Forebay;
- 2. Methods of preventing saline intrusion;
- 3. Pattern of ground water extraction;
- 4. Schedules of ground water extraction.

# EVALUATION OF VARIABLES BY APPLICATION TO ALTERNATIVE PLANS

In all, more than 50 plans of operation were evaluated during this investigation, and comprehensive operational-economic information was developed.

It was found that it is impracticable to form a seaward freshwater gradient by filling the Coastal Plain aquifers as rapidly as required to forestall further sea-water intrusion along the coast. Furthermore, economic evaluation of many plans indicated that it is much more expensive to fill the basins than maintain freshwater barriers to stop sea-water intrusion. Consequently, analysis can be confined to those plans that involve freshwater barriers.

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It has been generally believed that location of pumping is a significant factor in the management of ground water basins. However, it was found that location of pumping caused a comparatively negligible economic impact in the Central Basin of the Coastal Plain.

Even though the pumping pattern was varied substantially in the Central Basin, cost difference was found to be minor. However, a shift in pumping pattern from the coastal area to the inland portion of the West Coast Basin was found to have a beneficial effect on the cost of maintaining the freshwater barriers.

Five plans that cover the range of significant variables were selected for detailed

analyses. An extensive volume of information relating to them was published in Appendix C to this bulletin. Of those five, four were chosen to be offered here for consideration.

Plan A (Plan 117-11 in Appendix C) - provides for the use by 1990 of 1,000,000 of the 35,000,000 acreptes of ground water in storage. (Ground water levels would be stabilized after 1990, at which time a safe-yield operation would be initiated. The basin would not be filled to its initial--1963-level.)

Plan B (Plan 117-5 in Appendix C) - provides for a median use of stored ground water, 1,000,000 acre-feet.

(Ground water levels would be stabilized after 1990, at which time a safe-yield operation would be initiated. The basin would not be filled to its initial--1963--level.)

Plan C (Plan 117-4 in Appendix C) - provides for the maintenance of ground water storage under average precipitation at present levels (immediate safe-yield operation).

Plan D (Plan 318-5 in Appendix C) - same as Plan C except it includes spreading a large amount of imported water.

Information concerning water demand and supply in the Coastal Flain during the period of detailed economic study is presented in Tables 1, 2, 3, and 4. Table 5 summarizes this information.

In Tables 1-1, columns 5, 6, 7, 8, and 12 (import by Los Angeles Department of Water and Power, import from San Gabriel Valley, filtered import by MWD for domestic use, and ground water extraction) are related to the amount of water directly used for consumption, and columns 9, 10, and 11 (filtered injection water, raw spread water, and reclaimed waste water) indicate the amount of water used for replenishment of ground water basins.

#### COST OF WATER SERVICE

In the computation of the cost of each plan of operation, facilities that are required for service of water regardless of source, such as existing storage reservoirs, were excluded from economic consideration because the cost associated with those facilities would be the same under each alternative.

TABLE 1
OPERATIONAL PLAN 'A'
ESTIMATED ANNUAL AMOUNTS OF WATER DEMAND AND WATER SUPPLY
IN-THE COASTAL PLAIN OF LOS ANGELES COUNTY FROM 1963 THROUGH 1990
IN 1,000 ACRE-FEET PER YEAR

YEAR	Applied water		abresging	4 Total water demand	5 Import ● by	6 Import from	Import Botten	By Metro.	9 Water	···raw		12 Ground water	Total wate
: S.	demend?	'7 demand	gemend,	1, 2, 3,,	<u> </u>	5.G.V.	domes.:	dames.	inject:	spread	water	extractn.	5 to 12
1963	852	. 8	. 59	919	197			7					
1864	872 .	15	36	923	187 187	10 10	277 287	0	`8	46	13	368	919
1965	692	22	18			10,	207 297	ŏ.	15	23	- 13 - 13	388 408	923
	1.1400	142 TE	20	932	178,	_	47 F	, 5.	22		1.3	10,01	933
1966	912	54,	20	<b>≁986</b>	168	.10	318	1	. 54	7	13	416	. 987,
1967	952	68 -86	19 18	1,017	158 148	10	308	33	68	< 65	13.	424	1,018
1968, 1969	972	77	17	1,056		10	298	85	- 86 -	- <b>5</b>	· iv 13	432	1,057
1970	992	81		1,089	138 128	. 10 10	288 283	,97 124:	. 77 81	4	.13	439	1.068
	4.6	1.0	<sub>:</sub> 16	1		_		•	,81	3 .	:13	447	1,089
1971	1;008	85	15	1,108	128	10	270	145	85	2	13	455	1,108
1972	1.024	89	-17	1,130	128	_ 10	282	- 168	. <b>89</b>	:4	,13	457	1,131
1973 1974	1,040 1,057	. 93 95	18 19	1.151	127	10	253	191	. 93	5	13	459	1,151
1975	1,073	89	19	1,171 1,1 <del>9</del> 1	127 . 127	, 10 , 10	244	. 216	95	6	13	459	1,170
ARRIV.			•	-	•		238	241	99	6	13	459	1,191-:
1978	1,089	102	20	1,211	127	10	229	264	102	7	13	459	1,211
1977	1.105	104	20	1,229	127	10	222	287	104	7	13	459,	1,229
1978 1979	1,121 1,137	107 111	20 20	1,248 1,288	126	10	214	311	107	7	13	459	1,247
1980	1,153	113	19	1,285	126	10 10	207 201	335 357	111	7	13	459	1,268
100 m	- 3 -	•		;·,	126				1.	•	13	459	1,285
1981	1,158	116	19	1;293	126	10	194	369	116	6	13	459	1,293
1982	1,164	118	19	1,301	126	10	188	381	118	8	13	459	1,301
1903 1984	1,169 1,174	121 <sup>-</sup> 123	19 16	1,309 1,315	126	10	182	392	121	6	13	459	1,309
1985	1-180	128	18	1,324	126 127	10 10	178 175	401 410	123 126	5	13	459	1,315.
mig ·•				1	_		176	*10	_1 <b>∠</b> 0	5	13	459	1,325
1986	1,185	128	17	1,330	127	10	168	422	128	4	13	459	1.331
1987	1,191	130	16	1,337	127	10	164	431	130	3	13	458	1.337
1988	1,196	132	16	1,344	127	10	160	440	132	3	13	459	1,344
1989	1,201	135	15	1,351	127	10	157	449	135	2	13	459	1,352
1990	1,207	137	14	1,358	127	10	154	457	137		13	458	1,358
TOTAL	30,008	2.673	561	33,242	3,837	280	6.414	6,987	2,673	197	364	12,496	33,248

#### TABLE 2 OPERATIONAL PLAN 'B'

# ESTIMATED ANNUAL AMOUNTS OF WATER DEMAND AND WATER SUPPLY IN THE COASTAL PLAIN OF LOS ANGELES COUNTY FROM 1963 THROUGH 1990

	1	2	3	4	<b>5</b> ,	6	7	8	. 9	10 ,	11	12	13
YEAR	Applied water demand	Injection demand	Spreading demand	Total water damend 1, 2, 3	Import+ by LADWP	Import_ from S.G.V.	impart soften domes.	By Metro, filter domes.	Water filter inject.	Dist. raw spread	Reclaimed wasta water	Ground water extraction	Total water supply
1963	852	7	. 58	917	197	10	292	36	ź	45	13	317	917
1964	872	14	58 37	923	187	10	308	36 66	14	24	iš	301	923
1965	892	17	18	927	178	10	327	94	17	5	13	284	928
1988	912	42	22	976	168	10	318	131	42	9	13	286	928 977
1967	932	45	21	998	158	iŏ	308	170	45	8	13	287	989
1968	952	62	20	1,034	148	10	298	208	62	7	13	288	1,034
1969	972	50	19	1,041	138	10	288	247	50	6	13	290	1,042
1970	992	50	18	1,060	128	10	283	280	50	, š	13	291	1,080
1971	1,008	50	17	1,075	128	10	270	308	50			1.75 %	.,000
1972	1,024	52	iż	1,093	128	10	262	338	52	3	13	292	1,075 1,094
1973	1,040	51	17	1,108	127	10	263	368	51	4	13	287	1,094
974	1.057	. <u>50</u>	17	1,124	127	10	244	393	50	7	13 13	282 282	1,108
1975	1,073	50	17	1,140	127	iŏ	236	417	50	7	13	282	1.123 1.139
976	1,089	51	17	1,157	127	10	229	440					
977	1,105	51	17	1.173	127	10	.222	464	51 51	•	13	282	1,158
978	1,121	52	´ i7	1,190	126	10	214	488	52	\$	13	282	1,173 1,189
979	1,137		16	1.205	126	10	207	511	52	. 3	13 13	282	1,189
980	1,153	52 53	16	1,222	126	iŏ	201	533	53	3	13	282 282	1,204
981	1,158	53	16	1,227	126	10	194			_		· .	1,204 1,221 1,227
982	1,164	53	16	1,233	126	10	188	546	53	. 3	13	282	1,227
983	1,169	54	16	1,239	126	10	182	557 568	53 54	3 3	13	- 282 -	1,232 1,238
984	1,174	54	16	1,244	126	10	178	57 <b>8</b>	54	3	13 13	282	1,238
985	1,180	54	15	1,249	127	10	175	586	54	2	13	282 282	1,244 1,249
986	1,185	54	15	1,254	127	10	168						CASS 25 (6.00)
987	1,191	55	15	1,261	127	10	164	59 <b>8</b> 608	54	2	13	282	1,254
888	1,196	55	15	1,266	127	10	160	808 817	55	2	13	28 2	1,261
989	1,201	55	15	1,271	127	10	157	825	55 55	2	13	282	1,266
990	1,207	57	17	1,281	127	iŏ	154	633	57	2	13 13	282 282	1,271 1,280
980													

From Bulletin No. 104-C. Second Los Angeles Aqueduct not considered as its construction schedule was not definite at time of study.

TABLE 3
OPERATIONAL PLAN 'C'
ESTIMATED ANNUAL AMOUNTS OF WATER DEMAND AND WATER SUPPLY
IN THE COASTAL PLAIN OF LOS ANGELES COUNTY FROM 1963 THROUGH 1990
IN 1,000 ACRE-FEET PER YEAR

	1	2	3	4	5.	6	7	8	9	10	1.1	12	13
YEAR	Applied water demand	injection demend	Spreading demand	Total water demand 1, 2, 3	Import *by LADWP	Import . from S.G.V.	Import soften doines.	8y Metro. filter domes.	Water filter inject,	Dist. raw spread	Reclaimed waste water	Ground water	Total wate supply 5 to 12
1963	852	.7	57	916	197	10	292	60	7	44	13	293	916
1984	872	14	41	927	187	10 .	308	102	. 14	28	13	264	840
1985	892	13	25	930	178	10	327	142	13	12	13	238	931
1986 1967	912	38 39	26	976	168	10	318	179	38 39	13	13 13	237 238	976
1968	932	39	23	994	`158	10	308	218	39	10			895
	952	55	24	1;031	148	10 10	298	251	55	11	13	245	1,031
1989	972	42	24	1.038	138		288	285	42	11	13	252	1,039
1970	982	42	23	1,057	128	10	283	317	42	10	13	255	1,058
1971	1,008	42	23	1,073	128	10	270	343	42	10	13	258	1,074
1972	1,024	43	23	1,090	128	10	262	377	43	10	13	247	1,090
1973	1,040	12	23	1,105	1,27	10	253	413	42	10	13	237	1,105
1974	1,057	J1	22	1,120	127	10	244	443	41	9	13	232	1,119
1975	1,073	40	22	1,135	127	10	236	472	40	9	13	228	1,135
1976	1,089	39	21	1,149	127	10	229	495	39	R	13	228	1,149,
1977	1,105	39	20	1,164	127	10	222	518	39	7	13	228	1,184
1978	1,121	38	20	1,179	126	10	214	543	38	ż	13	228	1,179
1979	1,137	38	÷	1,194	126	10	207	566	38	6	13	228	1,194
1980	1,153	38	.9	1,210	126	10	201	588	38	6	13	228	1,210
1981	1,158	38	19	1,215	126	10	194	600	38	A	13	228	6./6et/19993
1982	1,164	37	18	1,219	126	10	188	612	37	Š	13	228	1,215 1,219
1983	1,169	37	18	1,224	126	10	182	623	37	5	13	228	1,224
1984	1,174	37	18	1,229	126	10	178	632	37	š	13	228	1 220
1985	1,180	37	17	1,234	127	10	175	641	37	4	13	228	1,229 1,235
1985	1,185	37	17	1,239	127	10	168	653	37	À	13	228	1,240
1987	1,191	37	17	1,245	127	10	164	662	37	7	13	228	
1988	1,196	37	17	1,250	127	10	160	672	37	ā	13	228	1,245 1,251
1989	1,201	37	17	1,256	127	10	157	680	37	4	iš	228	1,258
1990	1,207	37	16	1,260	127	10	154	688	37	š	13	228	1,260
TOTAL	30,008	1,021	629	31,658	3,837	280	6,480	12,775	1,021	265	364	6,643	31,665

from Bulletin No. 104-C. Second Los Angeles Aqueduct not considered as its construction schedule was not definite at time of study.

TABLE 4

OPERATIONAL PLAN 'D'

ESTIMATED ANNUAL AMOUNTS OF WATER DEMAND AND WATER SUPPLY
IN THE COASTAL PLAIN OF LOS ANGELES COUNTY FROM 1963 THROUGH 1990

IN 1,000 ACRE-FEET PER YEAR

	1	2	3	4	5	6	7		9	10	11	12	13
YEAR	Applied water	Injection	Spreading	Total water	Import *	Import	Import By	Matropoli	tan Water (	District	Reclaimed	Ground	Total water
TEAN	demand	demand	demand	demand 1, 2, 3	by LADWP	from S.G.V.	soften domes,	filter domes.	filter inlect.	wer beerge	waste water	water extraction	Supply 5 to 12
1963 1964	852 872	.7	58 84	917	197	10	292 308	49 76	7	46 61	13	304 291	917
1965	872 892	14 13	66	950 971	187 178	10			14				950
		. –					327	100	13	53	13	278	972
1966	912	39	64	1,015	168	10	318	137	39	51	13	280	1,016
1967	932	40	62	1.034	158	. 10	308	178	40	. 49	13	281	1,035
1968	952	56	61	1,069	148	10	298	215	56	48	13	282	1,070
1989	972	43	60	1,075	138	10	. 288	253	43	47	13 .	283	T,075
1970	992	43	59	1,094	128	10	283	288	43	. 46	13	283	1,094
1971	1,008	43	58	1,109	128	10	270	317	43	46	13	284	1,110
1972	1,024	43	57	1,124	128	10	262	344	43	44	13	281	1.125
1973	1,040	42	56	1,138	127	10	253	372	42	43	13	278	1,138
1974	1,057	42	56	1,165	127	10	244	397	42	43	13	278	1,154
1975	1,073	41	- 55	1,169	127	. 10	236	421	41	42	13	278	1,168
1976	1,089	41	54	1,184	127	10	229	444	41	41	13	278	1,183
1977	1,105	41	54	1,200	127	10	222	468	41	41	13	278	1,200
1978	1,121	41	53	1,215	128	10	214	492	41	40	13	278	1,214
1979	1,137	41	53	1,231	126	10	207	615	41	40	13	278	1,230
1980	1,153	41	53	1,247	126	10	201	537	41	40	13	278	1,246
1981	1,158	41	52	1,251	126	10	194	560	41	39	13	278	1,251
1982	1,164	41	52	1,257	126	10	188	561	41	39	13	278	1,256
1983	1.169	41	52	1,262	126	10	182	572	41	. 39	13	278	1,261
1984	1,174	41	52	1,267	126	10	178	582	41	39	13	278	1,267
1985	1,180	41	52	1,273	127	10	175	590	41	39	13	278	1,273
1986	1,185	41	51	1,277	127	10	168	602	41	38	13	. 278	1,277
1987	1,191	41	51	1,283	127	iŏ	164	612	41	38	13	278	1,283
1988	1,196	41	51	1,288	127	10	160	621	41	38	13	278	1,288
1988	1,201	41	51	1,299	127	10	167	629	41	38	13	278	1,293
1980	1,207	'41	51	1,299	127	10	154	637	41	38	13	278	1,298
TOTAL	30,008	1,081	1,558	32,647	3.837	280	6,480	11,567	1,081	1,194	384	7,851	32,644

From Bulletin No. 104-C. Second Los Angeles Aqueduct not considered as its construction schedule was not definite at time of study.

In addition, other fixed cost items, such as operation cost, profits of water purveyors, and costs related to water rights, were excluded because they would be the same under all plans.

It was also found in Appendix C that water quality degradation and land subsidence from ground water level decline do not require consideration in the cost comparison of alternatives.

Those items that were considered in the computation of cost of each plan are existing and additional facilities, such as pumps and wells, whose associated costs would be different under different alternatives. They were grouped into four categories: surface water facilities, ground water facilities, electrical energy requirements, and imported water supply. For convenience, the costs

of storage facilities were included in those of surface water facilities, and both the energy cost and the connected load charge for well pumps and boosters were included in the costs of electrical energy. The unit costs of these facilities were based on interest rates of 4 percent for MWD and 4.5 percent for smaller water agencies and on representative life-spans of facilities in the Coastal Plain, and were adjusted to the 1963 cost level by using the Engineering News-Record construction cost index. Costs of imported water supplies to the Coastal Plain were predicated on the cost of delivery, which includes the capital, maintenance, and operation costs for the water imported by the City of Los Angeles (from the Owens River-Mono Basin) and by the City of Whittier from San Gabriel Valley, and also on the prices that may be charged by MWD to water agencies for the various types of raw and treated water sold by it.

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TABLE 5

TOTAL AMOUNTS OF COMPONENTS OF WATER DEMAND AND SUPPLY IN THE COASTAL PLAIN OF LOS ANGELES COUNTY FOR THE STUDY PERIOD 1963 THROUGH 1990 FOR SELECTED PLANS OF OPERATION IN THOUSANDS OF ACRE-FEET\*

COMPONENT	Plan number						
COMPONENT	Plan 'A'	Plan 'B'	Plan 'C'	Plan 'D			
ATER DEMAND				,			
Applied water demand	30,010	30,010	30,010	30,010			
Injection demand	2,670	1,340	1,020	1,080			
Spreading demand	560	540	630	1,560			
TOTAL WATER DEMAND	33,240	31,890	31,660	32,650			
ATER SUPPLY	*						
Import by Los Angeles Department of Water & Power	3,840	3,840	3,840	3,840			
Import from San Gabriel Valley	280	280	280	280			
Import by Metropolitan Water District		•					
Softened industrial and domestic	6,410	6,480	6,480	6,480			
Filtered industrial and domestic	6,990	11,420	12,770	11,560			
Filtered injection water	2,870	1,340	1,020	1,090			
Raw spread water	200	170	270	1,190			
Reclaimed waste water	360	360	360	360			
Ground water extraction	12,490	8,000	8,640	7,850			
TOTAL WATER SUPPLY	33,240	31,890	31,660	32,650			

From Bulletin No. 104—C. Second Los Angeles Aqueduct not considered as its construction schedule was not definite at time of study.

The cost of each facility was summed to obtain the total cost of water service, which includes the cost of ground water, imported water, replenishment of ground water basins, and prevention of sea-water intrusion. The cost of imported water includes ad valorem taxes paid by property owners in the Coastal Plain.

The total of these costs constitutes the cost of water service for the Coastal Plain. These costs would be incurred at different times under different plans of operation. The economic effect of incurring the same total amount of expenditure at different times would vary with the plan. To establish a viable economic comparison of all alternatives, it is necessary to convert all costs—regardless of the difference in time of expenditure—to the common denominator of present worth.

#### Present Worth

Present worth of the total cost of water service under each plan of operation may be considered as the amount of money that is needed today to meet future financial obligations associated with the water service. Thus, a comparison of present worth of the four plans would provide a comparative measure of the extent of financial obligations that would be

imposed on the decision-makers and the water users they serve.

#### **Economic Evaluation**

The cost of imported water was shown to be the biggest cost item in each of the four alternative plans. The cost depends chiefly on the future pricing policies of MWD from which the Coastal Plain purchases imported water.

To understand the importance of the MWD pricing policy on the Coastal Plain water economics, an analysis of the policy is necessary.

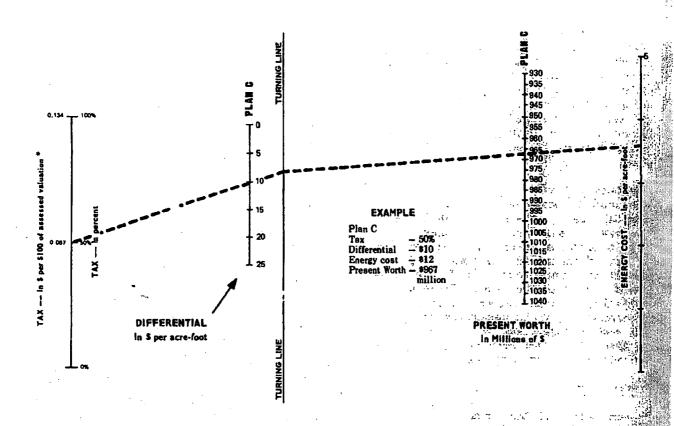
Conceptually, various means can be employed to pay for water service:
Users of imported water can pay the complete cost for carrying it from source to point of delivery; property owners can pay the complete cost through taxes (ad valorem taxes); and users and taxpayers can divide the cost. This last means is the one MWD has employed to date--some 50 percent of its capital cost of constructing facilities is now borne by an ad valorem tax.

In addition, the present pricing policy provides different prices for water used for agricultural and ground water replenishment purposes and for water used for domestic and industrial purposes.

#### TABLE 6

# PRESENT WORTH OF FUTURE TOTAL COSTS OF WATER SERVICE IN THE COASTAL PLAIN OF LOS ANGELES COUNTY

Category	Plan A	Plan B	Plan C	Plan D
Present worth of costs from 1963 to 1990	\$ 902,000,000	\$ 958,000,000	\$ 972,000,000	\$ 956,000,000
Present worth of costs from 1991 to perpetuity	412,000,000	400,000,000	405,000,000	397,000,000
TOTAL	\$1,314,000,000	\$1,358,000,000	\$1,377,000,000	\$1,353,000,000



#### USE OF THE NOMOGRAPH

- 1. Select plan of operation.
- 2. Connect appropriate points on tax scale and differential scale. Mark intersection of this line with turning line.
- Connect point of turning line with energy cost point. Where this line intersects present worth line, read the present worth of total cost of water service for the selected plan.

#### DEFINITIONS

Tax. % of financial obligation for
Metropolitan Water District
facilities horns by property tax.

Difference in price
between domestic industrial and
agricultural—replenishment water
imported to the Coastal Plain
Energy Cost. Energy charge (including
operation, maintenance, replacement,
and power costs) for State Water
Project water delivered to Southern
California:

Pragent Worth Present worth of total cost
of water service, 1963 through 1990.

Figure 13 - NOMOGRAPH TO DETERMINE PRESENT WORTH OF TOTAL COST OF WATER SERVICE IN THE COASTAL PLAIN UNDER VARIABLE CONDITIONS AFFECTING THE PRICE OF IMPORTED WATER - 1913 THROUGH 1999

Based on the assumption that the indicated ad valorem tax rate will be continued to the year 2039.

owever, MWD has not announced a longange policy; therefore, to get a longange economic evaluation of alternatives, ssumptions were made regarding MWD pricing ifferentials and ad valorem taxes.

nother significant factor affecting the hit price of MWD water is the energy st of pumping water from the State ter Project over the Tehachapi ountains. In recent years, the estimated ost of energy for pumping imported water as decreased. To facilitate the evaluaon of the economics of the alternative lans under changing conditions with respect The economically desirable timing would be pricing policies and energy costs, nomoaphs were developed and presented in opendix C. One of them is given here as example. (See Figure 13.)

ing the nomograph, the present worth of ost of water service for Plans A, B, C, d D was determined under the assumption pat the present MWD pricing policy would followed in the future. Table 6 shows e result of this determination. The ad florem tax has been included in this bble.

evaluating this table, it must be reimbered that the table is for the entire castal Plain of Los Angeles County. To ptain the economic information for indidual water agencies such as Central nd West Basin Water Replenishment strict, supplemental analyses will be quired.

or Plan D, if surplus water from the State ter Project could be purchased from MWD. la smaller price than indicated in the Dis pricing schedule, proper adjustment hould be made to the present worth of the ost of water service under the plan.

evaluating these curves, a question may rise as to the differences in the values ground water remaining in storage in 990 under Plans A, B, C, and D.

ider all plans, the ground water basin will B, and C to this bulletin provide data and rovide the same quantity of water from 1991 procedures for such considerations.

to perpetuity, although from different depths. Therefore, the comparative values of ground water in storage for the alternative plans would be the differences between the present Worth of total future costs for these plans from 1991 to perpetuity. These differences have already been included in the costs to perpetuity in Table 6.

In making a long-range water management plan in the Coastal Plain, the timing of the construction of the next water project is also of vital concern to local agencies.

the time when the total cost of the next imported water project equals the total cost of the least expensive alternative supply -- ground water, converted salt water, and reclaimed waste water. In setting this timing, consideration should be given to ascertaining that an adequate local emergency supply is available. For exact timing, however, a more detailed study should be made by evaluating the present worth of total cost of water service with alternative times of construction.

#### **CONCLUDING REMARKS**

An important finding that has evolved from this investigation is that the most economically significant factors in the Coastal Plain's water service cost are the price of imported water and the proportionate use of imported water and ground water in storage. It was also found that changes in assumed conditions substantially affect the comparison of the water service costs under alternative plans.

Because the investigation was based on numerous unavoidable assumptions and these assumed conditions continually change, the water agencies in the Coastal Plain must consider the impact of these changes on the cost of water service before a management decision is made. Appendixes A,

# **DWR 1981**

California Department of Water Resources, Contour Interval 5-Feet, South Gate, Calif, Photo-revised 1981

UNITED STATES SOUTH GATE QUADRANGLE STATE OF CALIFORNIA DEPARTMENT OF THE INTERIOR CALIFORNIA-LOS ANGELES CO. DEPARTMENT OF WATER RESOURCES GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) R 13 W (LOS ANGELES) LOS ANGELES ICIVIC CENTER) 5 MI VERNON (CITY HALL) 0 6 MI. LOS ANGELES (CIVIC CENTER EXIT) 6 MI. 118°07′30" 118°15′ 12'30" 34°00′ BM Playground LOS ANGELE CORPORATE CORPORATE Valuut Parl ANTA JANA SOUTH GATE Sch CORPOR TE LUNG BEICH AUDITORIUM 5 S MI (LONG BEACH) 4 220 000 FEET JrJ .52 30 12'30" 118°15' 118°07'30" Mapped, edited, and published by the Geological Survey SEAL BEACH TO ME SCALE 1 24 000 Control by USGS, NOS/NOAA, and Los Angeles City and County ROAD CLASSIFICATION Planimetry by photogrammetric methods from aerial photographs 3000 taken 1963. Topography by planetable surveys 1964 Heavy-duty Light-duty Polyconic projection 10,000-foot grid ticks based on Medium-duty Unimproved dirt \_\_ . \_ . \_ California coordinate system, zone 7, 1000-meter Universal Transverse Mercator grid ticks, zone 11, shown CONTOUR INTERVAL 5 FEET in blue. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection 249 MILS Interstate Route State Route NATIONAL GEODETIC VERTICAL DATUM OF 1929 lines 2 meters north and 85 meters east as shown by dashed corner ticks Red lint indicates areas in which only landmark buildings are shown UTM GRID AND 1981 MAGNETIC NORTH This map lies within a subsidence area SOUTH GATE, CALIF. DECLINATION AT CENTER OF SHEET -Vertical-control-based-on-latest-available adjustment THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS 33118-H2 TF 024 There may be private inholdings within the boundaries of the FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON National or State reservations shown on this map A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON R 1964 Revisions shown in purply and woodland compiled from aerial PHOTOREVISED 1981 protographs takes 1,579 and other sources. This information of the Liberteen 1,035 ethed 1981. DMA-2351-1-NW-SERIES-V895 Plage of an assistance extension of arban areas

# **DWR 2004**

California Department of Water Resources, Bulletin 118 - California's Groundwater, Coastal Plain of Los Angeles County Groundwater Basin, West Coast Subbasin, Updated February 27, 2004

## Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin

Groundwater Basin Number: 4-11.04

County: Los Angeles

Surface Area: 177,000 acres (277 square miles)

#### **Basin Boundaries and Hydrology**

The Central Subbasin occupies a large portion of the southeastern part of the Coastal Plain of Los Angeles Groundwater Basin. This subbasin is commonly referred to as the "Central Basin" and is bounded on the north by a surface divide called the La Brea high, and on the northeast and east by emergent less permeable Tertiary rocks of the Elysian, Repetto, Merced and Puente Hills. The southeast boundary between Central Basin and Orange County Groundwater Basin roughly follows Coyote Creek, which is a regional drainage province boundary. The southwest boundary is formed by the Newport Inglewood fault system and the associated folded rocks of the Newport Inglewood uplift. The Los Angeles and San Gabriel Rivers drain inland basins and pass across the surface of the Central Basin on their way to the Pacific Ocean. Average precipitation throughout the subbasin ranges from 11 to 13 inches with an average of around 12 inches.

# Hydrogeologic Information Water Bearing Formations

Throughout the Central Basin, groundwater occurs in Holocene and Pleistocene age sediments at relatively shallow depths. The Central Basin is historically divided into forebay and pressure areas. The Los Angeles forebay is located in the northern part of the Central Basin where the Los Angeles River enters the Central Basin through the Los Angeles Narrows from the San Fernando Groundwater Basin. The Montebello forebay extends southward from the Whittier Narrows where the San Gabriel River encounters the Central Basin and is the most important area of recharge in the subbasin. Both forebays have unconfined groundwater conditions and relatively interconnected aquifers that extend up to 1,600 feet deep to provide recharge to the aquifer system of this subbasin (DWR 1961). The Whittier area extends from the Puente Hills south and southwest to the axis of the Santa Fe Springs-Coyote Hills uplift and contains up to 1,000 feet of freshwater-bearing sediments. The Central Basin pressure area is the largest of the four divisions, and contains many aquifers of permeable sands and gravels separated by semi-permeable to impermeable sandy clay to clay, that extend to about 2,200 feet below the surface (DWR 1961). The estimated average specific yield of these sediments is around 18 percent. Throughout much of the subbasin, the aquifers are confined, but areas with semipermeable aquicludes allow some interaction between the aquifers (DWR

The main productive freshwater-bearing sediments are contained within Holocene alluvium and the Pleistocene Lakewood and San Pedro Formations (DWR 1961). Throughout most of the subbasin, the near surface Bellflower aquiclude restricts vertical percolation into the Holocene age Gaspur aquifer and other underlying aquifers, and creates local semi-perched groundwater

conditions. The main additional productive aquifers in the subbasin are the Gardena and Gage aquifers within the Lakewood Formation and the Silverado, Lynwood and Sunnyside aquifers within the San Pedro Formation (DWR 1961). Specific yield of deposits in this subbasin range up to 23 percent in the Montebello forebay, 29 percent in the Los Angeles forebay, and 37 percent in the Central Basin pressure area (DWR 1961). Historically, groundwater flow in the Central Basin has been from recharge areas in the northeast part of the subbasin, toward the Pacific Ocean on the southwest. However, pumping has lowered the water level in the Central Basin and water levels in some aquifers are about equal on both sides of the Newport-Inglewood uplift, decreasing subsurface outflow to the West Coast Subbasin (DWR 1961).

There are several principal aquifers/aquicludes present in this subbasin.

Aquifers/ Aquiclude	Age	Formation	Lithology	Maximum Thickness (feet)
Gaspur	Holocene		Coarse sand, gravel	120
Semiperched	Holocene		Sand, gravel	<b>60</b>
Belifiower	Pleistocene	Lakewood Formation	Člay, sandy clay	140
Gardena	Pleistocene	Lakewood Formation	Sand, gravel	160
Gage			Sand	120
Silverado	Lower Pleistocene	San Pedro Formation	Sandy gravel	300
Lynwood			Coarse sand and	150
Sunnyside			Signatur, '''	350

#### Restrictive Structures

Many faults, folds and uplifted basement areas affect the water-bearing rocks in the Central Basin. Most of these structures form minor restrictions to groundwater flow in the subbasin. The strongest effect on groundwater occurs along the southwest boundary to the Central Subbasin. The faults and folds of the Newport – Inglewood uplift are partial barriers to movement of groundwater from the Central Basin to the West Coast Basin (DWR 1961). The La Brea high is a system of folded, uplifted and eroded Tertiary basement rocks. Because the San Pedro Formation is eroded from this area, subsurface flow southward from the Hollywood Basin is restricted to the Lakewood formation (DWR 1961). The Whittier Narrows is an eroded gap through the Merced and Puente Hills that provides both surface and subsurface inflow to the Central Basin (DWR 1961). The Rio Hondo, Pico, and Cemetery faults are northeast-trending faults that project into the gap and displace aquifers. The trend of these faults parallels the local groundwater flow and do not act as significant barriers to groundwater flow (DWR 1961).

#### Recharge Areas

Groundwater enters the Central Basin through surface and subsurface flow and by direct percolation of precipitation, stream flow, and applied water; and replenishes the aquifers dominantly in the forebay areas where permeable sediments are exposed at ground surface (DWR 1961). Natural replenishment of the subbasin's groundwater supply is largely from surface inflow through Whittier Narrows (and some underflow) from the San Gabriel Valley. Percolation into the Los Angeles Forebay Area is restricted due to paving and development of the surface of the forebay. Imported water purchased from Metropolitan Water District and recycled water from Whittier and San Jose Treatment Plants are used for artificial recharge in the Montebello Forebay at the Rio Hondo and San Gabriel River spreading grounds (DWR 1999). Saltwater intrusion is a problem in areas where recent or active river systems have eroded through the Newport Inglewood uplift. A mound of water to form a barrier is formed by injection of water in wells along the Alamitos Gap (DWR 1999).

#### Groundwater Level Trends

Water levels varied over a range of about 25 feet between 1961 and 1977 and have varied through a range of about 5 to 10 feet since 1996. Most water wells show levels in 1999 that are in the upper portion of their recent historical range.

#### Groundwater Storage

Groundwater Storage Capacity. Total storage capacity of the Central Basin is 13,800,000 (DWR 1961).

#### Groundwater in Storage.

#### Groundwater Budget (Type A)

A complete water budget could not be constructed due to the lack of data available. Recharge to the subbasin is accomplished through both natural and artificial recharge. The Watermaster reported natural recharge for the subbasin to be 31,950 af and artificial recharge to be 63,688 af for 1998 (DWR 1999). Additionally, the subbasin receives 27,000 af/yr of water through the Whittier Narrows from the San Gabriel Valley Basin in the form of subsurface flow (SWRB 1952). Urban extractions for the subbasin were 204,335 af in 1998 (DWR 1999).

#### **Groundwater Quality**

Characterization. TDS content in the subbasin ranges from 200 to 2,500 mg/l according to data from 293 public supply wells. The average for these 293 wells is 453 mg/l.

#### Impairments.

#### Water Quality in Public Supply Wells

Constituent Group  Inorganics – Primary	Number of wells sampled <sup>2</sup> 316	Number of wells with a concentration above an MCL <sup>3</sup>
Radiological	315	1
Nitrates	315	<b>2</b>
Pesticides	322	0
VOCs and SVOCs	344	43
Inorganics - Secondary	316	113

<sup>&</sup>lt;sup>1</sup> A description of each member in the constituent groups and a generalized discussion of the relevance of these groups are included in California's Groundwater - Bulletin 118 by DWR (2003).

<sup>2</sup> Represents distinct number of wells sampled as required under DHS Title 22 program from 1994 through 2000.

#### **Well Production characteristics**

	Well yields (gal/min)	 
Municipal/Irrigation		
	Total depths (ft)	
Domestic		
Municipal/Imigation		

#### **Active Monitoring Data**

Agency	Parameter	Number of wells /measurement frequency
USGS	Groundwater levels	90
DWR	Groundwater levels	87
Los Angeles County Public Works	Groundwater levels	212 / Bi-monthly
USGS	Miscellaneous water quality	64
Department of Health Services and cooperators	Title 22 water quality	294

Each well reported with a concentration above an MCL was confirmed with a second detection above an MCL. This information is intended as an indicator of the types of activities that cause contamination in a given basin. It represents the water quality at the sample location. It does not indicate the water quality delivered to the consumer. More detailed drinking water quality information can be obtained from the local water purveyor and its annual Consumer Confidence Report.

#### **Basin Management**

Groundwater management:  Water agencies	Central Basin was adjudicated in 1965, and the Department of Water Resources was appointed Watermaster. Every month extractions are reported to the Watermaster by each individual pumper. This allows the Watermaster to regulate the water rights of the subbasin. (DWR 1999)
Public	City of Bellflower, Bellflower-Somerset MWC, City of Compton, City of Huntington Park, City of Long Beach, City of Los Angeles DWP, City of Montebello, City of Paramount, City of Pico Rivera, City of Santa Fe Springs, Sativa LA County WD, City of Signal Hill, South Montebello ID, City of South Gate, City of Vernon, City of Whittier. (DWR 1999)
Private	California-American Water Company, Montebello Land and Water Company, Belliflower Home Garden Water Co., California Water Service, Lynwood Park MWC, Maywood MWC, Park Water Company, Pearless Water Company, San Gabriel Valley Water Company, Southern California Water Company, Tract No. 180 Water Company, Tract 349 MWC, Western Water Company (DWR 1999)

#### **References Cited**

California Department of Water Resources (DWR). 1961. Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County. Bulletin No. 104.

\_\_\_\_, Southern District. 1999. Watermaster Service in the Central Basin, Los Angeles County, July 1, 1998 – June 30, 1999.

California State Water Resources Board (SWRB). 1952. Central Basin Investigation. Bulletin No. 8.

#### **Additional References**

United States Geological Survey (USGS). 2000. Analysis of the Geohydrology and Water-management Issues of the Central and West Basins, Los Angeles County, California. Internet Web Site: <a href="http://water.wr.usgs.gov/projects00/ca512.html">http://water.wr.usgs.gov/projects00/ca512.html</a>.

Water Replenishment District of Southern California. 2000. Annual Report on Results of Water Quality Monitoring Water Year 1998-1999.

\_\_\_\_. 2000. Engineering Survey and Report.

#### **Errata**

Changes made to the basin description will be noted here.

## **EPA 2010a**

United States Environmental Protection Agency, Envirofacts Warehouse CERCLIS Query Results, http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0905741, data extracted May 20, 2010



Superfund

http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0905741 Last updated on Thursday, May 20, 2010

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# **Search Superfund Site Information**

## MODERN PATTERN & FOUNDRY CO. INC. (MP)

#### Site Information

<u>Site Info</u> | Aliases | <u>Operable Units</u> | <u>Contacts</u> <u>Actions</u> | Contaminants | Site-Specific Documents

**Site Name:** MODERN PATTERN & FOUNDRY CO. INC. (MP)

**Street**: 5610 ALCOA AVENUE

City / State / ZIP: VERNON, CA 90058

NPL Status: Not on the NPL Non-NPL Status: PA Start Needed

**EPA ID**: CAD982025488

EPA Region: 09

**County: LOS ANGELES** 

Federal Facility Flag: Not a Federal Facility

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Superfund

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Site Information

# **Search Superfund Site Information**

#### MODERN PATTERN & FOUNDRY CO. INC. (MP)

**Operable Units** 

<u>Site Info</u> | Aliases | <u>Operable Units</u> | <u>Contacts</u> <u>Actions</u> | Contaminants | Site-Specific Documents

OU ID

**OU Name** 

00

**SITEWIDE** 

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Superfund

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Site Information

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# **Search Superfund Site Information**

#### MODERN PATTERN & FOUNDRY CO. INC. (MP)

#### **Contacts**

#### Site Info | Aliases | Operable Units | Contacts Actions | Contaminants | Site-Specific Documents

Title	Name	<b>Phone Number</b>
Site Assessment Manager (SAM)	Carl Brickner	(415) 972-3814
Site Assessment Manager (SAM)	Jeff Inglis	(415) 972-3095
Site Assessment Manager (SAM)	Karen Jurist	(415) 972-3219
Site Assessment Manager (SAM)	Dawn Richmond	(415) 972-3097

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Site Information

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# **Search Superfund Site Information**

#### MODERN PATTERN & FOUNDRY CO. INC. (MP)

#### Actions

#### <u>Site Info</u> | Aliases | <u>Operable Units</u> | <u>Contacts</u> Actions | Contaminants | Site-Specific Documents

<u>ou</u>	Action Name	<u>Qualifier</u>	<u>Lead</u>	Actual Start	<u>Actual</u> Completion
00	DISCOVERY		F		12/06/2000
00	PRE-CERCLIS SCREENING		F		12/06/2000

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# **EPA 2010b**

Environmental Protection Agency, Envirofacts Warehouse Resource Conservation and Recovery Act Information System Query Results, http://www.epa.gov/enviro/html/rcris/rcris\_query\_java.html, data extracted May 20, 2010

# Tame=aprogram\_search=2&report=2&page\_no=1&output\_sql\_switchpdR处ioseatypgaReBAINFO Resource Conservation and Recovery Act (RCRAInfo)

You are here: EPA Home Envirofacts **RCRAInfo** 



# **Query Results**



Data Disclaimer

#### Only RCRAInfo facility information was searched to select facilities

Name: Beginning With: Modern Pattern & Foundry Co. Inc

Results are based on data extracted on APR-29-2010

**Total Number of Facilities Displayed:** 0

# **EPA 2010c**

Environmental Protection Agency Region 9, GIS Center, Site Report for the State of California, Modern Pattern & Foundry Co. Inc., June 7, 2010

The EPA Region 9 GIS Center Report for the Modern Pattern & Foundry Co. Inc. site is included in the confidential information packet.

# **GREGG 2009**

Gregg Drilling, Southern California Groundwater Depth Chart, <a href="http://greggdrilling.com/PDF">http://greggdrilling.com/PDF</a> files/GROUNDWATERTABLES/GWDEPTHsi gnalhilljan2009.pdf, pages 18 and 19, January 2009



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Agoura Hills	EV 0 Malla	19				558-D6
Agoura Hills	FX-9 Wells	30		3/23/1998		558-A5
Alpine		33	40	9/29/2003		
Anaheim		20	35	4/26/2004		
Anaheim		85	85	5/5/2003		
Anaheim		55		2/19/1999		768-D7
Anaheim		100				768-F5
Anaheim		18				770-E1
Anaheim		20				767-J5
Anaheim		. 50	60	5/3/2004		
Anaheim		95		6/18/1998	-	769-A5
Anaheim		115		1/14/1998		769-C1
Anaheim		40				768-C3
Arlington		10	25	3/14/2000	GP/SW	714-G3 RIV
Artesia		20				736-H6
Artesia		36				736-H7
Azusa		47				569-B6
Bakersfield		40	60	5/18/2004		
Bakersfield		38		1/12/1999		226-A2 KER
Bakersfield		142		7/13/1998		220-C3 KER
Bakersfield		98	110	4/5/2004		
Bakersfield		80	-100	3/2/2000	SM/SW	225-F2 KER
Baldwin Park		90				637-H1
Baldwin Park		123				598-D6
Barstow		55				245-C4 SBD
Bell		25	50	10/16/2003		-
Bell		143				705-D1
Bell Gardens		65		12/21/1998		705-J1
Bellflower		12	40	4/26/2000	SM	736-A7
Bellflower		11				736-A6
Bellflower		65 -	·	-		736-A5
Bellflower		34				736-A6
Bellflower		53				736-C3
Bellflower		17	40	5/19/2003		
Bellflower		39				736-D7
Beverly Hills		20				632-H3
Brea		45				739-A1
Brea		45				709-A7
Brea		15				738-G1
Buena Park		35		7/29/1998		737-G7



СІТҮ	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Buena Park		40		3/3/1999		737-J5
Buena Park	FX-9 Wells	12		12/23/1997		767-G2
Buena Park		20·	30	3/13/2000	SM	767-J2
Buena Park		10				767-E2
Burbank		46				563-H1
Burbank		25	35	8/25/2003		
Burbank		130				533-D6
Burbank		100				533-F7
Burbank		40				533-E6
Calabasas		30		6/15/1998		558-H6
Calabasas		45	50	3/11/2004		
Calpatria		14	25	1/8/2008		
Camarillo		32	50	7/21/2003		
Camarillo		13	20	4/12/2000	SM/SW	493-F6 VEN
Camp Pendleton		20	27	8/27/2003		
Canoga Park		15	40	10/29/2003		530-F5
Canoga Park		18	26	4/16/2003		
Canoga Park		40	50	4/7/2000	SM	530-B2
Canoga Park		34	45	12/27/2002		530-B4
Canoga Park		25	45	10/8/2003		
Canoga Park		30	<u> </u>	7/17/1998		529-H2
Canoga Park		55		3/18/1999		529-H2
Canoga Park		· 25	35	1/25/2000	GP/SW	529-J <u>5</u>
Canoga Park		18				530-B6
Carlsbad		15	26	3/8/2000	SW/CL	1106-E5 SD
Carlsbad		45	ļ	3/29/1999		1106-F6 SD
Carson		72		5/12/1997		794-F1
Carson		58	65	4/15/2004		
Carson		65	88	2/18/2004		
Carson		35	62	3/20/2000	CL	764-H7
Carson		50				764-C4
Carson		8	15	11/15/2003	×	
Carson		15	60	12/22/2003		
Carson		12.5				764-F6
Carson		30				764-G6
Carson		65				764-E7
Carson		28				764-G7
Carson		76	80	3/10/2000	GP/SW	794-E2
Carson		35	·			764-J7
Carson		9				764-E4



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Carson	FX-9 Wells	29		1/12/1998		764-E6
Carson	ILV-A AAGIISI	42				764-J4
Carson		8				764-E5
Carson		15		2/20/1998		764-H5
Carson		13	27	12/26/2002	SM	764-H5
Carson		58	70.5	12/1/2003		
Carson		20	55	1/30/2007		764-D3 LA
Carson		60	82	6/12/2003		
Carson		50	70	6/26/2003		
Carson		50				764-C4
Carson		70	90	7/9/2003		794-D3
Carson		74				764-E5
Carson		55	102	1/21/2000	SW/SM	764-B7
Carson		39				764-H6
Carson		59		3/21/1999		794-H2
Carson		10.5	65	4/27/2007		
Catalina Island		20	36	9/23/2004		
Cerritos		13				737-A7
Cerritos		10	16	1/17/2000		737-C7
Cerritos		10				737-D5
Cerritos		12		3/2/1998		767-C1
Cerritos		10		3/12/1999		767-C2
Cerritos		67				736-J6
Cerritos		50				736-E5
Cerritos		12	50	11/1/2007		
Cerritos		9.4	35	1/22/2008		
Chula Vista		54	60	11/20/2003		
Chula Vista		20		3/22/1999		1310-A6 SD
Chula Vista		18	77	12/10/2007		
Claremont		25				601-B2
Clulver City		28	50	8/4/2003		
Coachella		20	50	2/10/2004		
Colton		93	95	4/28/2000	SW/GP	605-H7 SBD
Commerce		65	70	6/24/2003		
Commerce		90	121	4/30/2003		
Commerce		80	97	1/31/2000		676-B4
Commerce		90.	105	2/7/2000	SM/SW	676-A6
Commerce		100	110	4/18/2004		
Commerce		72		4/22/1998		675-G6
Commerce		100	103	1/9/2003	SW/SM	675-J3



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Compton	FX-9 Wells	30	50	2/23/2004		
Compton		32	80	4/14/2000	SM	735-A2
Compton		40				735-B4
Compton		35		1/31/1998		734-F4
Compton		50				734-F1
Compton		30		2/17/1999		735-B4
Compton		40				735-B3
Compton		38				735-A3
Compton		91				735-D2
Compton		40			!	735-B6
Compton		45				735-B4
Corona		25	35	2/7/2000	GP/SW	743-B3 RIV
Corona		43	65	11/6/2003		
Corona		43	60	11/24/2003		
Corona Del Mar		20	30	5/10/2000	SM/CL	889-F7
Corona Del Mar		80				919-F3
Costa Mesa		30	45	12/1/2003		
Costa Mesa		39				888-H4
Costa Mesa		50		4/15/1999		888-J1
Costa Mesa		18		12/16/1998		889-A5
Coto de Caza		8		1/4/1999		923-B5
Covina		13				599-B2
Covina		32				599-H7
Covina		101				598-F5
Culver City		. 15				672-H7
Culver City		19				673-A1
Culver City		68		1/25/1999		672-E2
Culver City		63		1/28/1998		672-E3
Culver City		50				672-F7
Culver City		40				672-C4
Cypress		8		3/26/1999		797-A1
Cypress		11	13	3/16/2000		797-B1
Cypress		10	19	3/17/2000	SM/SW	767-E7
Del Mar		27	45	1/9/2008		SD 1187-G7
Diamond Bar		10				679-G7
Diamond Bar		37				640-C7
Downey		49	60	12/9/2003		
Downey		40		7/31/2003		
Downey		58	76	8/4/2003		<del></del>
Downey		55		5/3/1999		706-B6



CITY		ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Downey		FX-9 Wells	44	-			706-C6
Downey			22				705-G6
Downey			30	75	4/27/2000	SM	706-D6
Downey			30				736-C1
Downey			62				706-D2
El Cajon			14		3/24/1999		1251-J4 SD
El Monte			48	60 .	6/2/2003		
El Monte			68	85	10/23/2003		
El Monte			75				597-C5
El Monte			16				637-D2
El Monte			88				597-F7
El Monte			34				637-D3
El Monte			8	16.5	7/8/2003		
El Segundo			98				732-E1
El Segundo			100				733-E1
Encinitas			45	57	5/8/2003		
Escondido			22	30	12/28/1999	SM	1129-G4 SD
Escondido			19		3/17/1998		1129-D1 SD
Fountain Valley			13	26	10/3/2003		
Fountain Valley			12	23	4/28/2000	SM	828-D7
Fountain Valley			15	23	1/7/2003	SM	828-D7
Fountain Valley			10	55	5/25/2000	SM/CL	828-C5
Fountain Valley			10	25	3/21/2000	SM	828-E7
Fresno			. 75	96	6/9/2003		264-C5
Fresno			135	160	6/11/2003		263-B3
Fresno			140	160	8/4/2003		
Fullerton			160				738-D6
Fullerton			60	66	2/26/2004		738-H7
Fullerton			15	80	1/15/2004		
Fullerton			105		3/16/1998		769-B1
Fullerton			75		2/28/1998		768-H1
Fullerton			100				738-C5
Fullerton			28		7/10/1998		738-C6
Fullerton			23		1/6/1999		738-C7
Fullerton			12	15	3/27/2000	SM/CL	738-B7
Garden Grove			8				797-G5
Garden Grove			15	25	3/29/2004		798-B7
Garden Grove			- 16				797-H3
Garden Grove	•		46	60	1/6/2000	sw,sm	798-F4
Garden Grove			10	20	2/14/2000		797-G4



CITY		ADDRESS	/LOCATION		GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Garden Grove		$X_{-}Q$	Wells		25	35	3/17/2000	SM	798-J6
Garden Grove	— <b>LL</b> /	<b>1</b> -3	VVCIIC	2	30	40	4/27/2000	<u> </u>	799-A6
Garden Grove					15	40	3/30/1998		797-G4
Garden Grove					10		0/00/1000		797-E4
Gardena					25	75	4/6/2004		733-H3
Gardena					23	75	4/12/2004		733-J3
Gardena					64	73	4/ 12/2004		733-G6
Gardena					25	33	1/11/2000	SM	733-J3
Gardena					33	- 55	1/11/2000	OIVI	733-J4
					21	48	4/10/2008		LA 733-H5
Gardena						40	4/10/2000		· 564-F4
Glendale					173 65	91	2/16/2004		563-J1
Glendale					35	50	5/17/2000	SW/SM	594-J5
Glendale						30	5/17/2000	344/3141	
Glendale					44	50	11/26/2002		563-J2
Glendale					45	58	11/26/2003		EG2 12
Glendale					48		3/9/1998		563-J2
Glendora					30	400	0/44/0002		569-J6
Goleta					75	120	8/11/2003		
Goleta					165	180	8/18/2003		
Goleta					4	. 10	3/30/2004		994-B2 SBA
Goleta					20	45	5/12/2000		994-A2 SBA
Goleta					17	26	1/21/2000	SM/CL	994-G2 SBA
Goleta				-	33		5/5/1999		994-D1 SBA
Goleta					8	42	2/13/2008		SB 994-A2
Hacienda Heights					18	25	4/11/2000		678-B4
Hacienda Heights					140		·		678-B6
Hacienda Heights					108				678-C2
Hawaiin Gardens	<u> </u>				9	50			·
Hawaiin Gardens					. 8	30	5/24/2000	SM/CL	766-J6
Hawthorne					104	115	4/13/2004		733-D4
Hawthorne					86	ļ			733-F2
Hawthorne				<b>.</b>	38	1			733-F1
Hawthorne					70	85	4/25/2000	SM	733-B3
Hawthorne					129				703-C7
Hemet					12	25	2/17/2004		
Hollywood					20	35	3/22/2000	SM/CL	593-E6
Hollywood					17	30	5/4/2004		
Hollywood					37				594-A4
Hollywood					20				593-E5
Hollywood					22		7/28/1998		593-E5



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Huntington Beach	FX-9 Wells	15	25	3/9/2004		
Huntington Beach		7	20	5/14/2003		
Huntington Beach		8		6/15/1998		828-A5
Huntington Beach		40	40	4/6/2000	SW/SM	858-A3
Huntington Beach		10				827-G4
Huntington Beach		7	35	1/2/2003	SM	827-G4
Huntington Beach		10	35	10/20/2003		
Huntington Beach		18				827-D6
Huntington Beach		15		7/2/1998		858-E4
Huntington Beach		12	26	3/10/2000	SM/CL	827-H5
Huntington Beach		72				858-A4
Huntington Beach		14				857-H1
Huntington Beach		10				827-H1
Huntington Beach		10	25	4/18/2000	SM	858-C6
Huntington Beach		11		1/26/1999		857-H5
Huntington Beach		12		1/8/1999		857-E5
Huntington Beach		107		6/18/1998		857-H4
Huntington Beach		38				857-J2
Huntington Beach		20	26	3/21/2000	SM/CL	828-B7
Huntington Park		125	145	2/19/2004		
Huntington Park		89				674-J6
Indio		5.4	50	3/1/2007		
Indio		62		7/6/1998		5470-D2 RIV
Indio		12.3	50	3/1/2007		5410-E6 RIV
Industry		18	20	4/29/2003		
Industry		39				677-A2
Industry		27		7/23/1998		637-J6
Industry		19				638-A6
Industry		38		4/29/1998		638-A6
Industry		70		5/10/1999		637-J2
Industry		26				678-G3
Industry		25	•			678-G2
Industry		22				678-H4
Industry		14		3/15/1999		678-B1
Industry		12				638-C7
Inglewood		85				703-C4
Inglewood		228				703-F2
Irvine		15				859-H3
Irvine		25	40			
Irvine		75	98			



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Irvine	FX-9 Wells	0				889-G2
Irvine		$\sum_{i=0}^{\infty}$	50	4/10/2000		891-C3
Irvine		o		6/25/1998		859-J1
Irvine		20				859-H3
Irvine		25			·	, 860-A5
` Irvine		0		12/23/1998	4	891-C4
Irvine		0	50	4/19/2007		891-B3 OC
Irvine		38				859-G7
Irvine		35				859-H6
Irvine		70	80	5/1/2003		
Irvine		0				891-D5
Irvine		<b>3</b> 0				861-A5
Irvine		<b>3</b> O	49	9/15/2003		
Irvine		35	50	2/10/2004		
Irvine		15		2/17/1999		860-G1
Irvine		20		4/17/1999		859-H6
Irvine		18				859-G6
Irvine		10				860-B2
La Habra		25	30	1/17/2000	CL	708-G6
La Habra		<b>‡</b> O	63	1/8/2003		708-G5
La Habra		22		4/23/1999		708-E5
La Habra		15	31	3/30/2000	GP/CL	708-E6
La Mirada		6				737-E6
La Mirada		51				737-J3
La Mirada		75_	90	2/2/2000	SM/SW	737-J1
La Puente		08				638-D5
La Quinta		37				214-E2 RIV
La Sierra		10	25	3/13/2000	GP/SW	714-F3 RIV
Laguna Beach		14	20	12/29/1999	SM/CL	951-A6
Laguna Beach		70	85	3/29/2004		971-D2
Laguna Niguel		7	30	11/19/2003		
Laguna Niguel		20		7/13/1998		951-F5
Lake Elsinore		12	15	4/6/2000		835-F4 RIV
Lake Elsinore		33	50	4/28/2000		866-A3 RIV
Lake Forest		28	30	10/13/2003		
Lakewood		10	20	6/11/2003		
Lakewood		60				765-H6
Lakewood		35				766-C4
Lakewood		73				766-H6
Lakewood		9				767-A5

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

СІТҮ	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Lakewood	FX-9 Wells	45	62	4/26/2000	SM	766-D6
Lakewood		93				766-F6
Lancaster		213				4015-G5
Lawndale		49				733-C7
Lawndale		15		3/6/1998		733-C6
Lawndale		19		12/23/1997		733-C5
Lawndale		23		3/11/1998		733-C6
Lemon Grove		6	20	4/12/2004		
Lomita		85				793-J4
Lomita		190		1/6/1998		793-G5
Lompoc		15	35	3/22/2000	GP/CL	916-E2 SBA
Lompoc		35		6/29/1998		916-C1 SBA
Long Beach		50	65	2/4/2000	SM	795-E2
Long Beach		23	32	10/28/2003		
Long Beach		. 4				795-B6
Long Beach		. 8	15	3/20/2000	SM/CL	795-A5
Long Beach		18	35	7/1/2003		
Long Beach		19				735-G6
Long Beach		44	56	12/5/2003		
Long Beach		19				765-J1
Long Beach		20	43	6/26/2003		
Long Beach		N/A	45	4/2/2004		795-J3
Long Beach		15.	35	12/24/2003		
Long Beach	_	40			` .	765-D7
Long Beach		35				795-D7
Long Beach		60	ļ			795-J7
Long Beach		20				765-G2
Long Beach		38 -	40	12/1/2003		
Long Beach		38	55	2/5/2004		· 
Long Beach		35	50	5/9/2000	SM	795-D7
Long Beach		12				795-B6
Long Beach		12	70	10/1/2003		
Long Beach		34				795-F6
Long Beach		20				735-G7
Long Beach		17	75	10/15/2007		
Long Beach		35				765-E2
Long Beach		18		4/15/1999		796-C3
Long Beach		15				, 765-G1
Long Beach		27	40	3/23/2000	SM/CL	765-G2
Long Beach		70				765-G6



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Long Beach	FX-9 Wells	21	30	8/18/2003		
Long Beach		17				795-A6
Long Beach		35	45	12/23/2003	SM	765-H6
Long Beach		27				765-H1
Long Beach		19				735-H6
Long Beach		20				796-A5
Long Beach		16	60	6/23/2003		
Long Beach		17		5/12/1997		825-B1
Long Beach		28			*	796-A4
Long Beach		27		4/2/1998		796-A3
Long Beach		60				795-D2
Long Beach		56	67	7/18/2003		
Long Beach		20		2/26/1999		795-D3
Long Beach		28	50	1/6/2009		
Long Beach		35				765-F2
Long Beach		8				796-C7
Long Beach		20				765-A7
Long Beach		20				825-C1
Long Beach		28				765-H2
Long Beach		33				796-D2
Long Beach		11				795-A6
Long Beach		35				795-D6
Long Beach		30				795-A5
Long Beach		5 to 13	110	4/25/2008		
Long Beach		5	40	7/20/2007		795-A4 LA
Long Beach		18		1/31/1998		795-A3
Los Alamitos		21	40	1/14/2004		
Los Alamitos		12	12	1/14/2004		
Los Alamitos		14		5/11/1999		796-J3
Los Alamitos		8	80	1/19/2000	SM	797-B3
Los Alamitos		16				796-J2
Los Angeles		35		3/17/1998		634-F2
Los Angeles		23	30	7/29/2003		
Los Angeles		55	60	4/14/2003		
Los Angeles		56				734-C2
Los Angeles		7				673-H5
Los Angeles		70		3		763-J3
Los Angeles		60		1/18/1999		764-A4
Los Angeles		50	65	1/3/2000	SM	564-G4
Los Angeles		52	65	5/10/2004		632-A6



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH		SOIL TYPE	THOMAS GUIDE
Los Angeles	FX-9 Wells	45	50	12/9/2003		_
Los Angeles		30	55	4/6/2004		594-F2
Los Angeles		38				594-F1
Los Angeles		35				634-E3
Los Angeles		22	30	11/12/2003		
Los Angeles		30	50	1/15/2003		635-C2
Los Angeles		12				633-C2
Los Angeles		35				594-A7
Los Angeles		13				633-B2
Los Angeles		20	25	4/23/2003		
Los Angeles		33	. 35	5/11/2000	SW/SM	632-A2
Los Angeles		30	45	2/2/2000		634-H2
Los Angeles		100	105	6/2/2003		
Los Angeles		17				631-H5
Los Angeles		15		2/6/1998		824-D1
Los Angeles		10		5/7/1999		672-G6
Los Angeles		37		2/9/1998		704-C4
Los Angeles		105				702-G5
Los Angeles		65	75	12/23/2002	SM	635-B1
Los Angeles		50				734-A1
Los Angeles		50				673-J7
Los Angeles	_	39		12/15/1997		594-F2
Los Angeles		25		·		633-C2
Los Angeles		43				704-H7
Los Angeles		20				672-F7
Los Angeles		12				632-J1
Los Angeles		51		3/30/1998		703-A5
Los Angeles		16				594-D1
Los Angeles		25				594-A2
Los Angeles		65	125	3/20/2000	SM	734-C3
Los Angeles		14				593-E7
Los Angeles		38				634-H1
Los Angeles		31		1/26/1998		632-H7
Los Angeles		95		1/27/1998		632-D7
Los Angeles		70		3/15/1999·		764-A4
Los Angeles		110	130	11/24/2003		675-G1
Los Angeles		75		1/12/1998		672-B3
Los Angeles		50	71	7/21/2003		
Los Angeles		40		5/6/1999		632-H6
Los Angeles		30				672-G6



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
	FX-9 Wells	25				
Los Angeles		$\frac{25}{444}$		40/00/4000		594-B7
Los Angeles		144		12/28/1998		674-E5
Los Angeles		10				635-C2
Los Angeles		16		0/2/4000		594-E7
Los Angeles		45	40	8/3/1998		672-D2
Los Angeles		40	43	6/9/2003		633-A6
Los Angeles		25		2/6/4009		
Los Angeles		61		3/6/1998		672-F2
Los Angeles		60		12/19/1997		764-B2
Los Angeles		40		0/20/2004		704-A6
Los Angeles		15	50	2/20/2004		A
Los Angeles		50	55	6/25/2003		000 114
Los Angeles		_16		3/5/1998		633-H1
Los Angeles		8	-	444710000	014(0)	634-D4
Los Angeles		10	30	4/17/2000	SM/CL	595-B1
Los Angeles		-8	<u> </u>	6/23/1998		594-J1
Los Osos		_25	80	1/6/2004		
Lynwood		30	50	12/8/2003		
Lynwood		49				705-A6
Lynwood		45	61	5/5/2003		
Lynwood		25	35	2/3/2000	SM/CL	705-B6
Malibu		7	<u> </u>			629-C6
Malibu		13	45	12/27/2002	SW/SM	628-J7
Manhattan Beach		62				732-J5
Manhattan Beach		79				732-J4
Manhattan Beach		113				732-H6
Marina Del Rey		15		6/19/1998		672-B7
Midway		9	20	4/30/2003		
Mission Viejo		25	30	3/29/2000		922-C2
Mission Viejo		63	85	4/20/2004		922-C7
Mission Viejo		20	60	1/18/2000	SW/GP	952-G6
Montebello		118				676-B7
Montebello		241.				676-E1
Monterey Park		223				635-J5
Moreno Valley		83	100	5/10/2004		717-C2
Moreno Valley		10	56	4/10/2000		688-F2 RIV
Murrieta		26		4/24/1998		928-B3 RIV
Murrieta		10	70	5/15/2003		
National City		10		12/21/1998		1309-G4 SD
Newhall		116				4640-F1



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Newport Beach	FX-9 Wells	10	50	10/28/2003	,	
Newport Beach		20				919-E1
Newport Beach		15	35	5/10/2000	CL	889-A5
Newport Beach		45		<u> </u>		889-E5
Newport Beach		13				889-B7
Newport Beach		70				889-C7
North Hollywood		140	140	3/1/2004		
North Hollywood		21	100	4/15/2004		562-J3
Northridge		62	67	1/12/2000	SM	500-J7
Northridge		62		11/2/2002	SM	500 <b>-</b> J7
Northridge		42	80	10/25/2007		
Norwalk		67	70	11/17/2003		
Norwalk		45	60	5/13/2003		
Norwalk		27	30	9/23/2003		
Norwalk		82			-	736-G1
Norwalk		45		7/27/1998		736-H3
Norwalk		27	50	6/29/2007		737-H4 LA
Norwalk		20		4/16/1999		736-J4
Norwalk		48	106	2/28/2000	SM	736-J2
Oakview		23	26	11/11/2003		
Oceanside		10	45	2/6/2004		
Oceanside		13	21	3/15/2000	SM/CL	1086- G3 SD
Oceanside		<sup>,</sup> 13	25	12/10/2003		
Oceanside		12	30	3/17/2000	SM/CL	1023-D3
Orange		40		4/20/1999		799-C5
Oro Grande		30				306-A3 SBD
Oxnard		6	10	5/4/2004	, <u></u>	
Oxnard		20	50	4/27/2004		
Oxnard		35	53	4/22/2003		
Oxnard		30	100	3/23/2000	GP/SW	492-J6 VEN
Oxnard		7	25	1/16/2003		552-E2 VEN
Oxnard		30	.80	7/1/2008		VEN 522-j3
Palmdale		75				4195-J7
Paramount		25	115	3/1/2004		
Paramount		20	60	8/26/2003		
Paramount		32				735-H3
Pasadena		43				566-A3
Pasadena		53				565-H7
Paso Robles		22	40	6/30/2003		
Paso Robles		16	40	1/26/2004		



СІТҮ	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Paso Robles	FX-9 Wells	21	40	12/15/2003		513-G3
Pemaco		75	90	7/29/2003		
Perris		16		3/18/1999		807-G7 RIV
Perris		67	85	1/14/2004		
Placentia		115	115	12/2/2003		
Placentia		115	145	10/30/2003		
Placentia		110		4/3/1998		769-D2
Placentia		121			!	739-E4
Placentia		52	80	2/5/2007		739-H4
Playa Del Rey		4	70	5/7/2008		LA 702-B2
Playa Vista		10	25	4/15/2004	"	
Playa Vista		8	60	4/24/2000	SM/CL	672-G6
Point Magu		5	32	1/28/2004		
Pomona		14				600-J4
Pomona		5				640-D4
Pomona		11				640-D1
Pomona		21	30	7/22/2003		
Pomona		51				600-J6
Pomona		35		6/30/1998		640-C4
Port Hueneme		7	25	12/11/2003		
Port Of Long Beach		9	14	1/21/2000	SM	824-G3
Rancho Dominguez		46	85	5/5/2003		
Rancho Dominguez		43	43	5/12/2003		
Rancho Dominguez		40		3/13/1998		765-B3
Rancho Dominguez		47	50 ·	9/22/2003		
Rancho Dominguez		30		6/3/1998		765-B2
Rancho Dominguez		50		12/22/1998	-	765-C2
Rancho Dominguez		40	50	3/16/2000	SM	765-B1
Reseda		25				530-H5
Reseda		18				530-G7
Ribidoux		7	60	3/6/2007		
Ridgecrest		43	55	4/26/2004		
Ridgecrest		80	110	3/1/2004		
Ridgecrest		95	120	8/19/2003		
Riverside		45	80	4/22/2004		
Riverside		51	55	1/19/2004		
Riverside		75	100	2/2/2004		
Riverside		35	40	10/14/2003		
Riverside		45	65	5/13/2000		684-H7
Riverside		13	20	9/24/2003		



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Riverside	FX-9 Wells	78		1/19/1999		715-F2 RIV
Riverside		45		3/18/1999		685-J2 RIV
Riverside		10		7/1/1998		714-E2 RIV
Rowland Heights		20	45	2/2/2004	-	
Rowland Heights		17				679-A5
Rowland Heights		21				679-B5
S. El Monte		17		2/25/1998		637-C5
San Bernardino		23	30	11/5/2003		606-J6
San Bernardino		20	35	9/16/2003		606-J6
San Bernardino		55		12/28/1998		606-F2
San Clemente		25	35	1/20/2000		993-B6
San Diego		11	20	1/28/2004		
San Diego		17	40	2/25/2004		
San Diego		14	21	5/7/2007		1289-C4 SD
San Diego		18	80	1/5/2007		1289-A4 SD
San Diego		4	20	1/30/2004		
San Diego	_	45	61	7/21/2008		SD 1229-A7, B7, C7
San Diego		50		4/1/1999		1248-G2 SD
San Diego		15	40	10/15/2003		
San Diego	_	10		4/3/1998		1288-J2 SD
San Diego		11	18	7/25/2003		
San Diego		74	100	12/9/2003		
San Diego		12	105	10/17/2007		
San Diego		7				1268-H7 SD
San Dimas		216				600-A2
San Gabriel		45	50	11/17/2003		636-E4
San Jacinto		16	50	1/5/2004		
San Juan Capistrano		35	85	1/9/2007		952-G6 OC
San Juan Capistrano		32		3/11/1999		972-D1
San Luis Obispo		14	18	1/20/2000	SW/GP	633-C5 SLO
San Luis Obispo		15	100	4/5/2004		734-J3 SLO
San Pedro		65				794-A7
San Pedro		35	40	1/12/2000	SM	824-B2
San Pedro		5	30	8/18/2003		
San Pedro		45		6/26/1998		824-B4
Santa Ana		60	125	6/23/2003		
Santa Ana		7	. 20	2/22/2004		
Santa Ana		7	19	2/2/2000	CL	859-D1
Santa Ana		6	20	8/28/2003		
Santa Ana		7	20	5/24/2000	SM/CL	859-A2



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Santa Ana .	FX-9 Wells	20	35	5/15/2003		
Santa Ana		23	60	3/31/2000	SM	829-D3
Santa Ana		5				829-D7
Santa Ana		15		2/16/1998		859-G2
Santa Ana		16	30	1/7/2000	GP/SM	829-G6
Santa Ana		30	68	12/22/2008		OC 829-G6
Santa Ana		17				829-A3
Santa Ana		11	26	3/23/2000	SM/CL	859-A3
Santa Ana		23	40	7/16/2003		
Santa Ana		10				829-E7
Santa Ana		11		4/25/1998	-	859-F2
Santa Ana		20	30	12/18/2003		
Santa Barbara		10	25	4/29/2004		
Santa Barbara		20_	36	4/21/2003		
Santa Barbara		15	30	10/27/2003		
Santa Barbara		19	40	11/17/2003		
Santa Barbara		22	49	3/8/2004		
Santa Barbara		30	35	1/26/2004		
Santa Barbara		9	30	9/18/2003		996-B4
Santa Barbara		14	30	10/6/2003		996-B4
Santa Barbara		25	31	9/17/2003		
Santa Barbara		22	30	11/24/2003		
Santa Barbara		2	20	1/14/2000	CL	996-B3 SBA
Santa Barbara		8	30	3/24/2000	GP/SW	996-C4 SBA
Santa Clarita		25		5/19/2003		
Santa Clarita		35	65	8/25/2003		
Santa Clarita		94	115	8/25/2003		
Santa Clarita		95	95	5/14/2003		
Santa Fe Springs		45		9/22/2003		
Santa Fe Springs		29				707-B4
Santa Fe Springs		16				737-C4
Santa Fe Springs		77				737-J1
Santa Fe Springs		. 105		1/21/1998		737-B1
Santa Fe Springs		101		1/20/1998		707-B6
Santa Fe Springs		78				707-A5
Santa Fe Springs		22				706-G4
Santa Fe Springs		75				707-B4
Santa Fe Springs		38				707-A1
Santa Maria		110	120	7/7/2003		
Santa Monica		50	50	10/1/2003		



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Saugus	FX-9 Wells	32				4551-F3
Saugus		20				4550-J1
Seal Beach		5				826-G5
Seal Beach		6	20	3/29/2004		826-F4
Seal Beach		7	25	10/20/2003		
Seal Beach		8	20 .	3/27/2000	SM	826-F4
Seal Beach		40	45	4/4/2000	SW/SM	826-H2
Sherman Oaks		43	60	5/12/2004		561-H2
Signal Hill		105				795-J3
Simi Valley		15	26	4/29/2003		
Simi Valley		82	92	1/2/2003	SM/CL	498-C1 VEN
Simi Valley		8	20	4/11/2000	GP	478-B6 VEN
Simi Valley		18		2/15/1999		497-H2 VEN
Simi Valley		50	80	7/9/2007		
South El Monte		45				637-A3
South El Monte	_	17		2/25/1998	,	637-C5
South Gate		15				705-D3
South Gate		65	65	3/29/2004		705-E6
South Gate		45	65	3/31/2004		705-E6
South Gate	_	53	60	5/17/2004		705-E2
South Gate		48	78	10/22/2003		
South Gate		45	134	12/8/2003		
South Gate		30		5/13/1999		705-E5
South Gate	_	35	191	5/27/2003		
South Gate		35	50	4/20/2000	SM	705-F4
South Gate	_	. 75				705-B3
Spring Valley		8	15	3/29/2000		1271-D5 SD
Spring Valley		10		3/23/1999		1271-C5 SD
Stanta Ana		15	70	12/10/2003		859-F3
Stanton		.12				797-J6
Stanton		12	30	9/21/2007		
Studio City		100	105	4/21/2000	SM	562-F3
Studio City		8		6/16/1998		563-D7
Studio City		20				562-E5
Studio City		28	30	5/21/2004		562-F5
Summerland		12	25	1/12/2004		
Sunset Beach		6	50	3/2/2004		
Temecula		12	62	6/16/2003		
Temecula		13	45	9/15/2003		
Temecula		25	37	11/10/2003		



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Temecula	FX-9 Wells	20	45	5/2/2003		
Terminal Island		12				824-F3
Thousand Oaks		18	25	5/28/2003		
Thousand Oaks		30	35	1/5/2004	=	
Thousand Oaks		N/A	367	1/19/2004		
Torrance		98	115	4/1/2004		763-G7
Torrance		37		2/23/1999		763-G1
Torrance		29		2/23/1999		763-F3
Torrance		95	106	1/8/2004		763-F3
Torrance		71	84	5/20/2004		763-F3
Torrance		45	50	3/29/2004		763-F3
Torrance		78	83_	3/29/2004		763-F3
Torrance		75 .	75	3/31/2004		763-F3
Torrance		68	76	4/12/2004		763-F3
Torrance		70		<sup>-</sup> 2/2/1999		763-J2
Torrance		77	80	3/1/2004		
Torrance		25				763-G6
Torrance		80				763-J7
Torrance		12	25	2/12/2004		
Torrance		48		2/11/1998		763-D3
Torrance		38	60	11/17/2008		•
Torrance		85		6/30/1998		793-F3
Torrance		80	90	8/7/2003		
Torrance		110		3/11/1998		763-E4
Torrance		105	105	4/5/2004		763-F5
Torrance		108	115	4/2/2004		763-F5
Torrance	_	15				733-F7
Tustin		44	55	5/3/2004		
Tustin		23	30	12/30/1999	SM/CL	860-A1
Valencia		17	30	10/27/2003		
Valencia		39	40	5/4/2000	SW/GP	4460-D6
Van Nuys		89				561-H1
Van Nuys		215				531-G2
Venice		12				672-A6
Venice		20	26	4/3/2000	SM/CL	672-A5
Ventura		20	40	9/25/2003		
Ventura		10	35	4/30/2004		
Ventura		40				492-F3
Ventura		15	30	11/14/2003		
Vernon		43	50	10/29/2003		



CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Vernon	FX-9 Wells	30				675-D4
Vernon		40				674-J4
Vernon		20				675-B2
Visalia		75	135	4/26/2004		
W. Los Angeles		55	65	5/4/2004	,	
Walnut		20	25	4/17/2000	SM	679-G1
Walnut		18	40	10/30/2003		
Watts		50	55	12/9/2003		
Watts		60	65	4/15/2003		
West Covina		28				638-G5
West Hollywood		24	125	8/19/2008		LA 592-H7
West Hollywood		40		5/11/1999		592-H6
Westlake Village		12	25	2/14/2000	CL	557-E6
Westminster	_	14	31	8/28/2003		
Westminster		15		3/9/2004		
Westminster		20			_	827-G3
Westminster		14	60	3/17/2000	SM/CL	827-G3
Whittier	_	42	60	7/7/2003		
Whittier		29				707-A1
Whittier		N/A	100	4/8/2004		677-B7
Whittier		33			_	707-E2
Whittier	_	30				676-J3
Whittier		95				677-A4
Wilmington		35				794-H5
Wilmington		9	12	4/28/2004		
Wilmington		15			,	794-J3
Wilmington		37	70	10/13/2003		
Wilmington		12				794-J6
Wilmington		10				794-J5
Wilmington		11				794-H7
Wilmington		4				794-G6
Wilmington		5				824-H2
Yorba Linda		68				740-B4
Yorba Linda		26	65	4/16/2004		740-F3
Yorba Linda		18	65	4/16/2004		740-F3

The depth to groundwater and soil type data contained in these tables are provided by Gregg Drilling & Testing, Inc. as a courtesy to our clients and the general public. PLEASE BE ADVISED THAT THE GROUNDWATER DEPTH AND SOIL TYPE DATA ARE BASED SOLELY ON VISUAL OBSERVATIONS DURING DRILLING AND ARE ONLY APPROXIMATE AT BEST. WE DO NOT GUARANTEE THE ACCURACY OF THESE DATA AND USE OF THIS INFORMATION IS AT USER'S OWN RISK. If you should find significantly different site conditions at a nearby location please e-mail us.

# **LADEH 2010**

Los Angeles County, Department of Environmental Health, Letter to Fitzgerald, Tara, Weston Solutions, Inc., Re: Subject: Public Files Request, May 24, 2010

Listoid



6th Floor, Unit B 428 Thirteenth Street Oakland, CA 94612 510-788-3800 • Fax 510-891-9710

The Trusted Integrator for Sustainable Solutions

MAY 24 2010

Public Health Investigation

Administration

May 20, 2010

Public Health Investigation (PHI) Custodian of Records 5555 Ferguson Drive, Suite 120-04 Commerce, CA 90022

Subject: Public Files Request

To Whom It May Concern:

I am completing Preliminary Assessments report for the EPA Region 9 for four sites located in the City of Vernon, I would like to request any public files the LA County Fire Department has concerning the following businesses/addresses:

Globe Union Incorporated 5015 District Blvd. Vernon, CA 90058 EPA ID: CAN000908578

Modern Pattern & Foundry Co. Inc. (MP) 5610 ALCOA AVENUE VERNON, CA 90058 EPA ID: CAD982025488

NI Industries 4900 S. BOYLE AVENUE VERNON, CA 90058 **EPA ID: CASFN0905435** 

Stauffer Chem Co 3250-3294 E 25TH ST VERNON, CA 90058 EPA ID: CAD982360166

Please contact me with any questions concerning this request.

Sincerely,

Tara Fitzgerald Associate Project Scientist Weston Solutions, Inc. 428 Thirteenth St. 6th Floor, Suite B Oakland, CA 94612 Tara.Fitzgerald@westonsolutions.com Date: 5/25/10

Attn: Tara Fitzgeras We prefer only one street of address per request. If the site address on the same street then you could have five street number of the same street on one request. Range addresses always need to be on one request. Please re-fax your request.

an employee-owned company

Ne do not process

VERNON. SEE ATTACHET

BOARD OF SUPERVISORS

Glocia Molina

Mark Ridley-Thomas Second District

Michael D. Antonovich

Zev Yaroslavsky

Don Knabe

Fourth District



Public Health Investigations

JONATHAN E. FIELDING, M.D., M.P.H. Director and Health Officer

JONATHAN E. FREEDMAN Chief Deputy

LEOLA MERCADEL Chief, Public Health Investigation

5555 Ferguson Drive, Suite 120-04 Commerce, California 90022 TEL (329) 890-7801 \* FAX (323) 728-0217

www.publichealth.lacounty.gov

Date



Per your request for site Enter Site Address, the following Cities within Los Angeles County have their own Hazardous Material Program and should be contacted regarding hazardous material matters:

MA C

EL SEGUNDO FIRE DEPARTMENT STEVE TSUMURA 314 Main Street El Segundo, CA 90245 (310) 524-2242 / FAX (310) 414-0929

GLENDALE FIRE DEPARMENT
VASKEN DEMIRJIAN
780 Flower Street
Glendale, CA 91201
(818) 548-4030 / FAX (818) 549-9777

LONG BEACH HEALTH DEPARTMENT NELSON KERR 2525 Grand Avenue Long Beach, CA 90815 (562) 570-4131, FAX (562) 570-4038 SANTA FE SPRINGS FIRE DEPARTMENT JANET ORTIZ or ALEX RODRIGUEZ 11300 Greenstone Ave.
Santa Fe Springs, Ca 90670 (562) 944-9713 / FAX (562) 941-1817

VERNON HEALTH DEPARTMENT LEWIS POZZEBON 4305 Santa Fe Avenue Vernon, CA 90058 (323) 583-8811 x229 / FAX (323) 588-4320

Should you have any questions regarding this, please do not hesitate to call us at (323) 890-7806.

Very truly yours,

PHI, Deputy Health Officer Public Health Investigation Custodian of Records





HAZMAT2 - Not Our District Form Revised 9/16/08

# **RWQCB 2009**

California Environmental Protection Agency, Los Angeles Regional Water Quality Control Board, Modern Pattern & Foundry Co. Inc., 2008-2009 Annual Report, June 18, 2009

# STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD 2008-2009 ANNUAL REPORT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

1) diff. 5010

Reporting Period July 1, 2008 through June 30, 2009

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers, and e-mail addresses of the Regional Board contacts, as well as the Regional Board Offices addresses are indicated below.

#### **REGIONAL BOARD INFORMATION:**

Los Angeles Region 320 W.4th Street, Ste.200 Los Angeles, CA 90013

Contact: Harumi Goya Tel: (213) 620-2283

Email: hgoya@waterboards.ca.gov

#### **GENERAL INFORMATION**

A. Facility Information: Modern Pattern & Foundry Co 5610 Alcoa Ave

Vernon, CA 90058

WDID No: 4 191010685 V

Facility Contact: Meckel Roland B

Email:

Phone: 3235834921

SIC Code(s):

3325

Steel Foundries, NEC

3365

Aluminum Foundries

#### B. Facility Operator Information:

Modern Pattern & Foundry Co 5610 Alcoa Ave Vernon, CA 90058

Operator Contact: Roland B Meckel

Email:

Phone: 323-583-4921

C. Facility Billing Information:

Modern Pattern & Foundry Co 5610 Alcoa Ave Vernon, CA 90058

Billing Contact: Roland B Meckel

Email:

Phone: 323-583-4921

Additional Table D Parameters: Al,Cu,Fe,Zn,Cu,Zn

# 2008-2009 ANNUAL REPORT

# SPECIFIC INFORMATION

#### MONITORING AND REPORTING PROGRAM

D.	SA	MPLING AN	ID ANALYSIS EXEMPTIONS AND RE	DUCTIONS					
	1.	For the re	porting period, was your facility exem be with sections B.12 or 15 of the Ge	pt from collecting neral Permit?	and ana	alyzing	samples fro	om two storm	events in
		YE YE	S Go to Item D.2			NO	Go to S	ection E	
	2.		ne reason your facility is exempt from e first page of the appropriate certifica					storm events	. Attach a
		i. 🛛	Participating in an Approved Group I	Monitoring Plan		Group	Name: _	Metal Cas	ting Storm
				•			_	Water	Group
		ii.	Submitted No Exposure Certificati	on (NEC)		Date :	Submitted:		
			Re-evaluation Date:						
			Does facility continue to satisfy NEC	conditions?		YES		NO	
		iii. 🔲	Submitted Sampling Reduction Ce	rtification (SRC)		Date 9	Submitted:		
			Re-evaluation Date:						
		•	Does facility continue to satisfy SRC	conditions?		YES		NO	
		iv.	Received Regional Board Certification	n (	Certificat	tion Da	te:		
		v	Received Local Agency Certification	•		Cetific	ation Date:		
	3.	If you ched	cked boxes i or iii above, were you so	heduled to sample	e one st	orm ev	ent during t	he reporting y	/ear?
		X YES	S Go to Section E			NO	Go to Se	ection F	
	4.	If you chec	ked boxes ii, iv, or v, go to Section F	- -					
E.	SAM	IPLING AND	ANALYSIS RESULTS						
	1.	How many	storm events did you sample?	it	f less thatem D.2. Inswer "	i or iii.	ttach expla above, only	nation (if you attach explar	u checked nation if you
	2.	Did you co scheduled	illect storm water samples from the fi facility operating hours? (Section B.5	rst storm of the wo	et seaso ermit)	on that	produced a	ı discharge d	uring
			YES			NO,	you do not sa	lanation (Ple mple the first st to sample 2 sto	orm event, you are
	3.	How many	storm water discharge locations are	at your facility?	4	ļ			

4.		r each storm event sampled, did you collect and analyze a mple from each of the facilitys' storm water discharge loca		] YES,	go to Item E.6	⊠ NO
5.		as sample collection or analysis reduced in accordance h Section B.7.d of the General Permit?	$\boxtimes$	YES	NO,	attach explanation
		YES", attach documentation supporting your determinat at two or more drainage areas are substantially identical.	ion			
	Da	te facility's drainage areas were last evaluated 6-5-2009				
6.	We	ere <u>all</u> samples collected during the first hour of discharge	7 🛚	YES	NO,	attach explanation
7.		as <u>all</u> storm water sampling preceded by three (3) rking days without a storm water discharge?	X	YES	☐ NO,	attach explanation
8.		ere there any discharges of stormwater that had been nporarily stored or contained? (such as from a pond)		] ÝES	NO,	go to Item E.10
9.	cont	you collect and analyze samples of temporarily stored or tained storm water discharges from two storm events? one storm event if you checked item D.2.i or iii. above)	[X	] YES	. No,	attach explanation
10.	Spe	tion B.5. of the General Permit requires you to analyze sto cific Conductance (SC), Total Organic Carbon (TOC) or O form water discharges in significant quantities, and analyt	il and Great	se (O&G)	), other polititants	s likely to be present
	a.	Does Table D contain any additional parameters related to your facility's SIC code(s)?		] ÝES	□ NO,	Go to Item E.11
	b.	Did you analyze all storm water samples for the applicable parameters listed in Table D?	$\boxtimes$	] YES	□ NO	
	C.	If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:				
		In prior sampling years, the parameter(s) have consecutive sampling events. Attach explana	not been d	etected i	n significant quar	ntities from two
		The parameter(s) is not likely to be present in discharges in significant quantities based upon	storm water the facility	discharg operator	es and authorize 's evaluation. At	ed non-storm water ttach explanation
		Other. Attach explanation				
11.	For e	each storm event sampled, attach a copy of the laboratory lts using <b>Form 1</b> or its equivalent. The following must be	analytical r	eports ar each sa	nd report the san	npling and analysis
	•	Date and time of sample collection Name and title of sampler. Parameters tested. Name of analytical testing laboratory. Discharge location identification	<ul><li>Test me</li><li>Test de</li><li>Date of</li></ul>	results. ethods us tection li testing.	mits.	
	_	CASCHARGE ROCARON ROPHINGSHAD	e l'onide	of the la	haratarı analytic	al capulta

# F. QUARTERLY VISUAL OBSERVATIONS

1.	Secti	authorized Non-Storm Water Discharges ection B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water ischarges and their sources.						
	a.	Do authorized non-storm water discharges occur at your facility?						
		YES NO Go to Item F.2						
	b.	Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. <b>Attach an explanation for any "NO" answers</b> . Indicate "N/A" for quarters without any authorized non-storm water discharges.						
		July -September TYES NO N/A October-December TYES NO N/A						
		January-March YES NO NA April-June YES NO NA						
	C.	Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information.						
		<ul> <li>i. name of each authorized non-storm water discharge</li> <li>ii. date and time of observation</li> <li>iii. source and location of each authorized non-storm water discharge</li> <li>iv. characteristics of the discharge at its source and impacted drainage area/discharge location</li> <li>v. name, title, and signature of observer</li> <li>vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.</li> </ul>						
2.	Sect	uthorized Non-Storm Water Discharges ion B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the ence of unauthorized non-storm water discharges and their sources.						
	a.	Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. Attach an explanation for any "NO" answers.						
	-	July -September X YES NO October-December X YES NO						
		January-March X YES NO April-June X YES NO						
	b.	Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?						
		YES NO Go to item F.2.d						
	c.	Have each of the unauthorized non-storm water discharges been eliminated or permitted?						
		YES NO Attach explanation						
	d.	Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.						
		<ul> <li>i. name of each unauthorized non-storm water discharge.</li> <li>ii. date and time of observation.</li> <li>iii. source and location of each unauthorized non-storm water discharge.</li> <li>iv. characteristics of the discharge at its source and impacted drainage area/discharge location.</li> <li>v. name, title, and signature of observer.</li> <li>vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.</li> </ul>						

#### G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during

	the 1.	<ol> <li>Indicate below whether monthly visual observations of storm water discharges occurred at <u>all</u> discharge locations. Attach an explanation for any "NO" answers. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.</li> </ol>							
		October	YES	NO	I	February	YES	NO	
		November		一	1	March			
		December				April			
						•	$\boxtimes$		
ANI H.		January	$\boxtimes$			May	$\boxtimes$		
	2.	Report monthly wet season visual observations using Form 4 or provide the following information.							
	ACSCE Section June 30 shall be minimum	b. name and title of observer c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed. d. any new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.  COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)  E CHECKLIST  In A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 10). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program the revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the lam steps necessary to complete a ACSCE. Indicate whether you have performed each step below. Attach an lation for any "NO" answers.							
	1. Ha	ave you inspected all potential pollutant sources and industrial activities areas? X YES NO ne following areas should be inspected:							
	•	<ul> <li>process/manufacturing areas.</li> <li>loading, unloading, and transfer areas.</li> <li>waste storage/disposal areas.</li> <li>dust/particulate generating areas.</li> </ul>				<ul> <li>building repair, remodeling, and construction material storage areas</li> <li>vehicle/equipment storage areas</li> <li>truck parking and access areas</li> <li>rooftop equipment areas</li> <li>vehicle fueling/maintenance areas</li> <li>non-storm water discharge generating areas</li> </ul>			
								NO	
	3. Ha	ve you inspecte	ed the entire	e facility to verify that	t the SWPP	P's site map,			

facility boundaries

outline of all storm water drainage areas

is up-to-date? The following site map items should be verified:

areas impacted by run-on

- storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

1-

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	i			
4.	Have you reviewed all General Permit compliance rec since the last annual evaluation?	cords generated	X  YES	NO
	The following records should be reviewed:		<del></del>	
	<ul> <li>quarterly authorized non-storm water discharge visual observations</li> <li>monthly storm water discharge visual observation</li> <li>records of spills/leaks and associated clean-up/response activities</li> </ul>	water discharg <ul><li>Sampling and</li></ul>	athorized non-storm ge visual observation Analysis records naintenance inspect nce records	ns
5.	Have you reviewed the major elements of the SWPPF compliance with the General Permit?	o to assure	YES	П ио
	The following SWPPP items should be reviewed:			
	<ul> <li>pollution prevention team</li> <li>list of significant materials</li> <li>description of potential pollutant sources</li> </ul>	<ul> <li>identification a</li> </ul>	f potential pollutant and description of the or each potential p	ne BMPs to be
6.	Have you reviewed your SWPPP to assure that a) the in reducing or preventing pollutants in storm water disnon-storm water discharges, and b) the BMPs are being the following DMP accessions to be the second of the	scharges and authorized	X YES	NO
	The following BMP categories should be reviewed:			
	<ul> <li>good housekeeping practices</li> <li>spill response</li> <li>employee training</li> <li>erosion control</li> </ul>	<ul> <li>preventative r</li> <li>material hand</li> <li>waste handlin</li> <li>structural BM</li> </ul>	ling and storage pr g/storage	actices
	quality assurance	on dottor ar Divi		
7.	Has all material handling equipment and equipment n implement the SWPPP been inspected?	eeded to	YES	□ NO
ACS	SCE EVALUATION REPORT			
The	facility operator is required to provide an evaluation rep	port that includes:		
•	identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions		nplementing SWPF of non-compliance	
Use	Form 5 to report the results of your evaluation or deve	lop an equivalent form.		
<u>ACS</u>	SCE CERTIFICATION			
The cert	facility operator is required to certify compliance with the fify compliance, both the SWPPP and Monitoring Progra	ne Industrial Activities S im must be up to date a	torm Water Genera nd be fully impleme	al Permit. To ented.
	ed upon your ACSCE, do you certify compliance with th vities Storm Water General Permit?	ne Industrial	YES	NO
	ou answered "NO" attach an explanation to the ACSCE opliance with the Industrial Activities Storm Water Gene		you are not in	

1.

J.

#### ATTACHMENT SUMMARY

Ar Ar	nswer the questions below to help you determine what should be attacl oplicable) to questions 2-4 if you are not required to provide those attac	hed to t chment	his an s.	nual report. An	nswer NA (Not	
1.	Have you attached Forms 1,2,3,4, and 5 or their equivalent?	X	YES	(Mandatory)		
2.	If you conducted sampling and analysis, have you attached the laboratory analytical reports?	$\boxtimes$	YES	□ NO	o 🗆	NA
3.	If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?		YES	☐ NO		NA
4.	Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?		YES	_ NO	· 🛚	NA
Αl	NNUAL REPORT CERTIFICATION		٠			
PE We pe wh su sig	am duly authorized to sign reports required by the INDUSTRIAL ERMIT (see Standard Provision C.9) and I certify under penalty are prepared under my direction or supervision in accordance were sonnel properly gather and evaluate the information submitted no manage the system, or those person directly responsible for a bmitted is, to the best of my knowledge and belief, true, accurate gnificant penalties for submitting false information, including the lowing violations.	of law ith a sy Base gatheri te and	that the the the the the the the the the th	his document designed to e my inquiry of t e information, lete. I am aw	and all attace ensure that qualithe person on the informat are that there	hments ualified persons ion a are
Pr	inted Name: John Meckel					
Si	gnature:			Da <u>te:</u>	6-18	09
Tit	tle: VP					

#### 2008- 2009

#### **ANNUAL REPORT**

#### SIDE A

#### FORM 1-SAMPLING & ANALYSIS RESULTS

#### **FIRST STORM EVENT**

- If analytical results are less than the detection limit (or non detectable), show the value as less than
  the numerical value of the detection limit (example: <.05)</li>
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON OOF POTING SAMPLESS.	m. V. P TITL		SIGNATURE:	
NAME OF PERSON COLLECTING SAMPLE(S): Your	Mickel TITE	E:	SIGNATURE.	

						Al	NALYTICAL For First S	L RESULT		·		
DESCRIBE DISCHARGE	DATE/TIME Of Sample	TIME DISCHARGE		BAS	IC PARAMET	TERS			ОТІ	IER PARAME	ETERS	,
LOCATION Example: NW Out Fall	COLLECTION	STARTED	PH	TSS	sc	O&G	TOC	Al	Cit	Fe	ZN	
DI	<u>/ 122 109</u> ⊠ AM <u>//:33</u> □ PM	⊠AM <u>&amp; : ¾</u> □ PM	6.76	2.8	658	a/D		0.100	cic/2	c./9c	17.0	
D 2	<u>/ 1221 6€*</u> ☑ AM <u>//:</u> 43 □ PM		6.98	2.7	52-2	1.7	·	6667	C. C.39	0.130	V 1.60	
	/_/ AM : PM	AM :PM	-			-						
	/_/ AM _:_ □ PM	AM :PM										
TEST REPORTING	UNITS:		pH Units	mg/l	umho/cm	mg/l	mg/l	mg/l	20/1	mill	m/	
TEST METHOD DE	TECTION LIMIT:		0.05	2.0	1.00	1.5		.028	C.CC 18	0.616	6.625	
TEST METHOD USE	ED:		SM -45%	3M- 2540D	EPA-120,1	166 H		15PA 2007 _			-	-
ANALYZED BY (SEL	_F/LAB):		Lab	Lah	hob	Lyh	Lato	414	2011	holy	hach	

TSS - Total Suspended Solids

SC - Specific Conductance

O&G - Oil & Grease

TOC - Total Organic Carbon



Date of Report: 02/19/2009

John Meckel

Modern Pattern & Foundry Co., Inc. 5610 Alcoa Avenue Los Angeles, CA 90058-3793

RE:

Metals Casting Group

BC Work Order: 0901031

Invoice ID:

B057517

Enclosed are the results of analyses for samples received by the laboratory on 1/26/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Natalie Serda

Client Service Rep

Authorized Signature

Ron Hayes 2117 Foothill Blvd., Suite D' La Verne, CA 91750 Ron Hayes

	BC LABO	RATORIES,	INC.			t = Bakersfield, 1   FAX (661) 3		CHAIN OF CUSTODY
Report To:				Matr	ix		Analysis R	equested
Name: Mo Co., Inc.	dern Pattern	& Foundry	Phone: (323) 583-4921	(S) Soil (SL)		OH, Oil & Grease (1664)	TRM; Al, Cu, Fe, 2 (200.7)	Zn
Address:	5610 Alcoa A	venue	Project: Stormwater	Slud e (W)				
City: Los	Angeles			(O) Other	51			
State: Ca	Zip: 90058	-3793	Sampler Name:		er			
Attn: Rola	and & John N	fleckel	Other:					
Lab#	Sample D	escription	Date & Time Sampled			;		
S	Sample 1		1/22/09 11:23 A	M	X	Х	Х	
-2 s	ample 2		777	122/09 11:23 AM W		Х	X	
	Sample 2						CHK	may now in the second s
Comment:			Billing Info:		Relinq	uished by: (Sign	ature)	Received by: (Signature)
Misc Charge Shipping \$45	inn 💾	lame: C.A.P.S.C				( 15		Notarie mel 93
Quote	- <i>E</i>	Address: 2117 F City: La Verne	oothill Blvd. Suite D State: CA		Relipo	uished by: (Sign	ature)	Received by: (Signature)
#RMTND082		Attention: Ron Ha				)		, (0.3
					7	Las Votes	$\langle \rangle$	
	<u>L</u>					<del></del>		

								*		
BC LABORATORIES INC.		SAMPL	E RECEIP	TFORM	Re	v. No. 12	06/24/08	Page _	( Of <u> </u>	
Submission #:()9-1031									• • •	
SHIPPING INFOR	DAATION	,	<del></del>	T		CUIDDU	NC CON	TAINED		·
	Hand Deli				ice Chest		NG CON	IAINER e □		
BC Lab Field Service ☐ Other S	(Specify	OATO	CIL		Box	否		r⊡(Spe	cifv)	
				l					7/	
Refrigerant: Ice □ Blue Ice □	None	Jahr Ot	her 🖂 🕠	Commen	te.					
		<i>-</i>						,		
Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐	Containe Intact? Yes		None IX	Comme	ents:					
			s intact? Y					h COC? Y	es No l	٥
COC Received Er	nissivity: '	Off o	Container:	ITE.	Thermomet	ter ID: 17	5.017	Date/Tim	e ibu	835
Y YES DINO _		. \4	- Lifered	POPULA	WA	· · · · · · · · · · · · · · · · · · ·				
l le	mperature	: A'_		C / C_	1. 1. 1	°¢		Analyst I	nit <u>NW</u>	<u>•</u>
,					SAMPLE	NUMBERS				
SAMPLE CONTAINERS	11	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	I A	A			ļ <u> </u>					
PT PE UNPRESERVED	-	<del> </del>	1		<del> </del>	ļ				
OT INORGANIC CHEMICAL METALS	12	0			_			ļ		ļ
PT INORGANIC CHEMICAL METALS	13	B	-							
PT CYANIDE		ļ			<u> </u>					<del> </del>
PT NITROGEN FORMS			ļ			<del>                                     </del>			-	<del> </del>
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PT TOTAL ORGANIC CARBON	<del> </del>	<del>                                     </del>					<u> </u>			
PT TOX	<del> </del>		<del> </del>		<del>-</del>	<del> </del>				
PT CHEMICAL OXYGEN DEMAND P1A PHENOLICS		<u> </u>	-	<u> </u>	<del> </del>					<del>                                     </del>
40ml VOA VIAL TRAVEL BLANK	1		<u> </u>	l					-	1
40ml VOA VIAL	1	,	, ( )			( )	,	(	1	1 1 3
OT EPA 413.1, 413.2, 418.1	10	7					· ·	<u> </u>	,	1
PT ODOR					***************************************				]	
RADIOLOGICAL								,		
BACTERIOLOGICAL	<u> </u>									
40 ml VOA VIAL- 504	<u></u>									
OT EPA 508/608/8080								<u></u>		
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QT EPA 525	,				ļ					
QT EPA 525 TRAVEL BLANK	<u> </u>					ļ		L		
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SOIL SLEEVE	<del></del>		-			ļ		<del>                                     </del>	<del> </del>	<del> </del>
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ENCORE	1	<u> </u>		<u> L</u>	L	<u> </u>			<u></u>	
Comments:	N	D	ime:	10/12	P	_				
Sample Numbering Completed By:  A = Actual / C = Corrected	HA.	Date/1	nue:	r W (U	:HDD	Hydocsiwes	OLAB DOCS	FORMSISAMR	EC2.WPDI	
			•					-		



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel

Reported: 02/19/2009 12:26

## **Laboratory / Client Sample Cross Reference**

Laboratory	Client Sample Information	ion		
0901031-01	COC Number:	,	Receive Date:	01/26/2009 08:35
	Project Number:	<del></del> .	Sampling Date:	01/22/2009 11:23
	Sampling Location:		Sample Depth:	Name of the Control o
	Sampling Point:	Sample 1	Sample Matrix:	Water
	Sampled By:		·	
0901031-02	COC Number:		Receive Date:	01/26/2009 08:35
	Project Number:	<del>_</del> ·	Sampling Date:	01/22/2009 11:23
	Sampling Location:		Sample Depth:	_
	Sampling Point:	Sample 2	Sample Matrix:	Water
	Sampled By:		-	



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel Reported: 02/19/2009 12:26

## **EPA Method 1664**

BCL Sample ID:	0901031-01	Client Sam	ple Name:	Sample	1, 1/22/20	09 11:23:00	MAC					· -		
							Prep	Run		Instru-		QC	MB	Lab
Constituent		Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	<u>Bi</u> as	Quals
Oil and Grease		ND	mg/L	6.1	1.5	EPA-1664H	01/26/09	01/26/09 13:00	JAK	MAN-SV	1.220	BSA1654	ND	A11



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel

Reported: 02/19/2009 12:26

## Water Analysis (General Chemistry)

BCL Sample ID: 0901031-01	Client Sam	ple Name:_	Sample	1, 1 <i>1</i> 22/20	09 11:23:00	MAC					_		
						Prep	Run		Instru-		QC	MB	Lab
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
pH	6.76	pH Units	0.05	0.05	SM-4500HE	01/28/09	01/28/09 13:09	RLP	MET-1	1	BSA1692		S05
Electrical Conductivity @ 25 C	65.8	umhos/c m	1.00	1.00	EPA-120.1	01/28/09	01/28/09 13:09	RLP	MET-1	1	BSA1692		
Total Suspended Solids (Glass Fiber)	2.8	mg/L	2.0	2.0	SM-2540D	01/27/09	01/27/09 00:30	MRM	MANUAL	4	BSA1488	ND	



5610 Aicoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel

Reported: 02/19/2009 12:26

## Water Analysis (Metals)

BCL Sample ID: 0901031-01	Client Sam	ple Name:	Sample	1, 1/22/20	09 11:23:00	DAM		_					
						Prep	Run		Instru-		QC	MB	Lab
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quais
Total Recoverable Aluminum	100	ug/L	50	28	EPA-200.7	02/03/09	02/04/09 15:47	ARD	PE-OP1	1	BSB0145	ND	
Total Recoverable Copper	12	ug/L	10	0.78	EPA-200.7	02/03/09	02/04/09 15:47	ARD	PE-OP1	1	BSB0145	ND	•
Total Recoverable Iron	190	ug/L	50	16	EPA-200.7	02/03/09	02/04/09 15:47	ARD	PE-OP1	1	BSB0145	ND	
Total Recoverable Zinc	17000	ug/L	50	2.5	EPA-200.7	02/03/09	02/04/09 15:47	ARD	PE-OP1	1	BSB0145	ND	



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel

Reported: 02/19/2009 12:26

### **EPA Method 1664**

BCL Sample ID: 09	901031-02	Client Sam	ple Name:	Sample 2	2, 1/22/20	09 11:23:00	AM							
							Prep	Run		Instru-	_	QC	MB	Lab
Constituent		Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Oil and Grease		1.7	mg/L	5.6	1.3	EPA-1664H	01/26/09	01/26/09 13:00	JAK	MAN-SV	1.124	BSA1654	ND	J,A11



5610 Alcoa Avenue Los Angeles, CA 90058-3793 Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel

Reported: 02/19/2009 12:26

## Water Analysis (General Chemistry)

BCL Sample ID: 0901031-02	Client Sam	ple Name:	Sample :	2, 1/22/20	09 11:23:00	AM							
				·		Prep	Run		Instru-		QC	MB	Lab
Constituent	Result	Units	PQL_	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
pH	6.98	pH Units	0.05	0.05	SM-4500HE	01/28/09	01/28/09 13:05	RLP	MET-1	1	BSA1692		S05
Electrical Conductivity @ 25 C	52.2	umhos/c m	1.00	1.00		01/28/09	01/28/09 13:05	RLP	MET-1	1	BSA1692		
Total Suspended Solids (Glass Fiber)	2.7	mg/L	1.7	1.7	SM-2540D	01/27/09	01/27/09 00:30	MRM	MANUAL	3.333	BSA1488	ND	



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel Reported: 02/19/2009 12:26

## Water Analysis (Metals)

BCL Sample ID: 0901031-02	Client Sam	ple Name:	Sample	2, 1/22/20	09 11:23:00	MAC							
						Prep	Run		Instru-		QC	MB	Lab
Constituent	Result_	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Total Recoverable Aluminum	67	ug/L	50	28	EPA-200.7	02/03/09	02/04/09 15:49	ARD	PE-OP1	1	B\$B0145	ND	
Total Recoverable Copper	39	ug/L	10	0.78	EPA-200.7	02/03/09	02/04/09 15:49	ARD	PE-OP1	1	BSB0145	ND	
Total Recoverable Iron	130	ug/L	50	16	EPA-200.7	02/03/09	02/04/09 15:49	ARD	PE-OP1	1	BSB0145	ND	
Total Recoverable Zinc	1600	ug/L	50	2.5	EPA-200.7	02/03/09	02/04/09 15:49	ARD	PE-OP1	1	BSB0145	ND	-



5610 Alcoa Avenue Los Angeles, CA 90058-3793 Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel Reported: 02/19/2009 12:26

#### **EPA Method 1664**

### **Quality Control Report - Precision & Accuracy**

										Contro	ol Limits
			Source	Source		Spike			Percent		Percent
Constituent	Batch ID	QC Sample Type	Sample ID	Result	Result	Added	Units	RPD	Recovery	RPD	Recovery Lab Quals
Oil and Grease	B\$A1654	Matrix Spike	0816914-78	ND	38.400	41.000	mg/L		93.7		78 - 114
<del>-</del> .		Matrix Spike Duplicat	e 0816914-78	ND ,	37.750	41.000	mg/L	1.7	92,1	18	78 - 114



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel

Reported: 02/19/2009 12:26

## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

									Control Limits					
			Source	Source		Spike			Percent		Percent			
Constituent	Batch ID	QC Sample Type	Sample ID	Result	Result	Added	Units	RPD	Recovery	RPD	Recovery Lab Quals			
Total Suspended Solids (Glass Fiber)	BSA1488	Duplicate	0901031-01	2.8000	2.8000		mg/L	0		10				
PН	BSA1692	Duplicate	0901031-01RE1	6.7600	6.7600		pH Units	0		20				
Electrical Conductivity @ 25 C	BSA1692	Duplicate	0901031-01RE1	65.800	64.960		umhos/cm	1.3		10				



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel Reported: 02/19/2009 12:26

## Water Analysis (Metals)

#### **Quality Control Report - Precision & Accuracy**

			<u></u>				•					
										Contr	ol Limits	
			Source	Source		Spike			Percent		Percen	t
Constituent	Batch ID	QC Sample Type	Sample ID	Result	Result	Added	Units	RPD	Recovery	RPD	Recover	y Lab Quals
Total Recoverable Aluminum	BSB0145	Duplicate	0901329-01	686.88	620.66		ug/L	10.1		20		
		Matrix Spike	0901329-01	686.88	1953.0	1000.0	ug/L		127		75 - 125	Q03
		Matrix Spike Duplicat	te 0901329-01	686.88	2011.3	1000.0	ug/L	3.9	132	20	75 - 125	Q03
Total Recoverable Copper	BSB0145	Duplicate	0901329-01	ND	ND		ug/L			20		•
		Matrix Spike .	0901329-01	ND	483.48	400.00	ug/L		121		75 - 125	
		Matrix Spike Duplicat	e 0901329-01	ND	487.16	400.00	ug/L	0.8	122	20	75 - 125	
Total Recoverable Iron	BSB0145	Duplicate	0901329-01	588.61	586.55		ug/L	0.4		20		
		Matrix Spike	0901329-01	588.61	1805.8	1000.0	ug/L		122		75 - 125	
		Matrix Spike Duplicat	e 0901329-01	588.61	1842.1	1000.0	ug/L	2.4	125	20	75 - 125	
Total Recoverable Zinc	BSB0145	Duplicate	0901329-01	6.1559	6.4488	•	ug/L	4.6		20		J
		Matrix Spike	0901329-01	6.1559	617.30	500.00	ug/L		122		75 - 125	
		Matrix Spike Duplicat	e 0901329-01	6.1559	613.86	500.00	ug/L	0	122	20	75 - 125	
							_			_		



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel Reported: 02/19/2009 12:26

#### **EPA Method 1664**

#### **Quality Control Report - Laboratory Control Sample**

									Control Limits			
Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL_	Units	Percent Recovery	RPD	Percent Recovery	RPD	Lab Quals
Oil and Grease	BSA1654 I	BSA1654-BS1	LCS	38.250	41.000	5.0	mg/L	93.3		78 - 114		-



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel Reported: 02/19/2009 12:26

## Water Analysis (General Chemistry)

## **Quality Control Report - Laboratory Control Sample**

									Contr	ol Limits	
Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	Percen RPD Recover		Lab Quals
рН	BSA1692	BSA1692-BS2	LCS	7.0000	7.0000	0.05	pH Units	100	95 - 105		
Electrical Conductivity @ 25 C	BSA1692	BSA1692-BS1	LCS	295.30	303.00	1.00	umhos/cm	97.5	90 - 110		



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel Reported: 02/19/2009 12:26

## Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

										Control	Limits	
Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Percent Recovery	RPD	Lab Quals
Total Recoverable Aluminum	BSB0145	B\$B0145-B\$1	LCS	984.02	1000.0	50	ug/L	98.4		85 - 115		
Total Recoverable Copper	BSB0145	BSB0145-BS1	LC\$	388.33	400.00	10	ug/L	97.1		85 - 115		
Total Recoverable Iron		BSB0145-BS1	LCS	1049.9	1000.0	50	ug/L	105		85 - 115		
Total Recoverable Zinc		BSB0145-BS1	LCS	575.24	500.00	50	ug/L	115		85 - 115		



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel Reported: 02/19/2009 12:26

### **EPA Method 1664**

#### **Quality Control Report - Method Blank Analysis**

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Oil and Grease	BSA1654	BSA1654-BLK1	ND	mg/L	5.0	1.2	



Project: Metals Casting Group

Reported: 02/19/2009 12:26

5610 Alcoa Avenue Los Angeles, CA 90058-3793 Project Number: Stormwater Project Manager: John Meckel

## Water Analysis (General Chemistry)

**Quality Control Report - Method Blank Analysis** 

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Total Suspended Solids (Glass Fiber)	BSA1488	BSA1488-BLK1	ND	mg/L	0.50	0.50	



5610 Alcoa Avenue

Los Angeles, CA 90058-3793

Project: Metals Casting Group

Project Number: Stormwater Project Manager: John Meckel Reported: 02/19/2009 12:26

## Water Analysis (Metals)

#### **Quality Control Report - Method Blank Analysis**

	<u>.</u>	•		-			
Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Total Recoverable Aluminum	BSB0145	BSB0145-BLK1	ND	ug/L	50	28	
Total Recoverable Copper	BSB0145	BSB0145-BLK1	ND	ug/L	10	0.78	
Total Recoverable Iron	BSB0145	BSB0145-BLK1	ND	ug/L	50	16	-
Total Recoverable Zinc	BSB0145	BSB0145-BLK1	ND	ug/L	50	2.5	



The sample holding time was exceeded.

Modern Pattern & Foundry Co., Inc.

Project: Metals Casting Group

Reported: 02/19/2009 12:26

5610 Alcoa Avenue Los Angeles, CA 90058-3793

S05

Project Number: Stormwater Project Manager: John Meckel

**Notes And Definitions** 

J	Estimated Value (CLP Flag)
MDL · · · ·	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A11	PQL's and/or MDL's were raised due to inadequate sample size received.
Q03	Matrix spike recovery(s) is(are) not within the control limits.

Facility Name	Mudeen fatter
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Date of Observations		9	-16	- 64	-		
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				ATIO	NS		
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Facility Name	Muderal Porter
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Facility Name	Modern Porter
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Facility Name: Meder latter

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Facility Name: Moderal Patter

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Facility Name: Meder Patter

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Facility Name: Modern Patter

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Facility Name: Medera In Then

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Personnel Conducting Observations	Ken Caliva								
		OBSERVATIONS (Check Box if Observed)							
DISCHARGE LOCATIONS	TIME DISCHARGE BEGAN	TIME OF OFFICENATION	F.OATING MATERIALS	SISPENDED MATERALS	OIL AND CREASE	DESCOLORATION	COOCR	TURBUITY	COMMENTS/SOURCE OF POLLUTANTS
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Aircraft Foundry Co., Inc.

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Fersonnel Conducting Observations	Ken C			1					
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5316 Pacific									There was no
5318 Pacific			-						There was no RAIN EVENT This MONTH TO MEASURE
2621 E. 54th St.		ļ.							MONTH TO MEASURE
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Facility Name: Moder Inter

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Implementation Schedule	2:	Correc		10				Date	

## Form 3 ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION DOCUMENTATION

SECTION 1 CERTIFICATION								
Date of Evaluation	6-5-09							
Personnel Conducting Evaluation	John Meckel							
Certification:	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.  I further certify that this facility is in compliance with the requirements of the General Permit.  Manager of SWPPP: (signature)							

# SECTION 2 POTENTIAL POLLUTANT SOURCE INSPECTION AND BEST MANAGEMENT PRACTICE EVALUATION

(USE NEW PAGE FOR EACH POTENTIAL POLLUTANT SOURCE)

(USE)	NEW PAGE FOR EAC	TITOTENTIAL FO	CECTANT SOURCE)						
Date of Evaluation	6-5-09								
Personnel Conducting Evaluation	John Meckel								
POTENTAL POLLUTANT SOURCE	BAGHOUSES	BAGHOUSES							
BEST MANAGEMENT PRACTICE	EFFECTIVELY IMPLEMENTED?	COMMENTS/ DEFICIENCIES	CORRECTIVE ACTION REQUIRED? (If YES, complete Section 4)	REQUIRED REVISIONS TO SWPPP?					
Dust Collected In Closed Containers	YES								
Preventive Maintenance	YES								
Sweeping	YES								
Audits	YES								
:									
Potential for pollutants to enter drainage system	□ NONE □ POTENTIAL EXISTS (EXPLAIN)	EXPLANATION:  Potential exists for particulate to impact storm water if sweeping is not done regularly or just prior to a storm eve							

#### **SECTION 2** POTENTIAL POLLUTANT SOURCE INSPECTION AND BEST MANAGEMENT PRACTICE EVALUATION

(USE)	NEW PAGE FOR EAC	CH POTENTIAL POI	LLUTANT SOURCE)						
Date of Evaluation	6-5-09								
Personnel Conducting Evaluation	John Meckel								
POTENTAL POLLUTANT SOURCE	OILS, WASTE	OILS , WASTE OILS							
BEST MANAGEMENT PRACTICE	EFFECTIVELY IMPLEMENTED?	COMMENTS/ DEFICIENCIES	CORRECTIVE ACTION REQUIRED? (If YES, complete Section 4)	REQUIRED REVISIONS TO SWPPP?					
Drums Are Stored With Secondary Containment	YES								
Covered	YES								
Sweeping & Use of Absorbents	YES								
Audits	YES								
,									
Potential for pollutants to enter drainage system	<ul><li>□ NONE</li><li>□ POTENTIAL EXISTS (EXPLAIN)</li></ul>	storm water if use of ed regularly or just							
				,					

# SECTION 2 POTENTIAL POLLUTANT SOURCE INSPECTION AND BEST MANAGEMENT PRACTICE EVALUATION

(USE 1	NEW PAGE FOR EAC	CH POTENTIAL POL	LUTANT SOURCE)					
Date of Evaluation	6-5-09							
Personnel Conducting Evaluation	John Meckel							
POTENTAL POLLUTANT SOURCE	BONEYARD							
BEST MANAGEMENT PRACTICE	EFFECTIVELY IMPLEMENTED?	COMMENTS/ DEFICIENCIES	CORRECTIVE ACTION REQUIRED? (If YES, complete Section 4)	REQUIRED REVISIONS TO SWPPP?				
Audits	YES		,					
Sweeping	YES							
			,					
				,				
			`					
Potential for pollutants to enter drainage system	☐ NONE  ☑ POTENTIAL EXISTS (EXPLAIN)	EXPLANATION:  Potential exists for particulate to impact storm water if sweeping is not done regularly or just prior to a storm event,						

# SECTION 2 POTENTIAL POLLUTANT SOURCE INSPECTION AND BEST MANAGEMENT PRACTICE EVALUATION

(USE NEW PAGE FOR EACH POTENTIAL POLLUTANT SOURCE)

6-5-09								
John Meckel								
ALL OTHER MA	ANUFACTURIN	NUFACTURING PROCESSES						
EFFECTIVELY IMPLEMENTED?	COMMENTS/ DEFICIENCIES	CORRECTIVE ACTION REQUIRED? (If YES, complete Section 4)	REQUIRED REVISIONS TO SWPPP?					
YES								
YES	·	•						
YES		·						
		· .						
		,						
□ NONE □ POTENTIAL EXISTS (EXPLAIN)	EXPLANATION:  Potential exists for particulate to impact storm water if sweeping is not done regularly or just prior to a storm exwhen tracking of materials from the inside to the outside occurs							
	John Meckel  ALL OTHER MA  EFFECTIVELY IMPLEMENTED?  YES  YES  YES  YES  POTENTIAL EXISTS	John Meckel  ALL OTHER MANUFACTURIN  EFFECTIVELY IMPLEMENTED?  YES  YES  YES  YES  YES  YES  POTENTIAL EXISTS  EXPLANATION: Potential exists for sweeping is not down when tracking of moccurs	John Meckel  ALL OTHER MANUFACTURING PROCESSES  EFFECTIVELY IMPLEMENTED?  COMMENTS/ DEFICIENCIES  ACTION REQUIRED? (If YES, complete Section 4)  YES  YES  YES  YES  EXPLANATION:  Potential exists for particulate to impact a sweeping is not done regularly or just pri when tracking of materials from the insidoccurs					

## SECTION 3 EQUIPMENT INSPECTION

EQUIPMENT DESCRIPTION	PRESENT	CONDITION
ABSORBANT MATERIAL	yes	good
ABSORBANT SOCKS	yes	good
SAFETY EQUIPMENT	yes	good
	·	
	·	

## SECTION 4 CORRECTIVE ACTION DOCUMENTATION

POTENTIAL POLLUTANT SOUR	CE AREA:	
DISCREPANCY OBSERVED:		
CORRECTIVE ACTION:		
	-	
IMPLEMENTATION	Corrective Action Start Date	W.T.
SCHEDULE:	Corrective Action Completion Date	
Reviewed by Manager of SW	PPP	
Actual Corrective Action Co		
Signature:		
Date:		

We will increase the effectiveness of the sweeping.

#### RWQCB 2010a

California Environmental Protection Agency, Los Angeles Regional Water Quality Control Board, Letter to Meckel, Roland, Re: ANNUAL REPORT REVIEW – BENCHMARK VALUE EXCEEDANCE: NPDES GENERAL PERMIT (PERMIT) FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY (ORDER NO. 97-03 DWQ; NPDES NO. CAS00001), WDED# 4191910685, March 3, 2010



### California Regional Water Quality Control Board

#### Los Angeles Region



Linda S. Adams Cal/EPA Secretary 320 W. 4th Street, Suite 200, Los Angeles, California 90013 Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.waterboards.ca.gov/losangeles

Arnold Schwarzenegger
Governor

March 3, 2010

Mr. Roland B. Meckel Modern Pattern & Foundry Co. 5610 Alcoa Avenue Vernon, CA 90058 Certified Mail-Return Receipt Requested 7009 1820 0001 2683 3329

ANNUAL REPORT REVIEW – BENCHMARK VALUE EXCEEDANCE: NPDES GENERAL PERMIT (PERMIT) FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY (ORDER NO. 97-03 DWQ; NPDES NO. CAS000001), WDID# 4191010685

Dear Mr. Meckel:

As the operator of a facility with industrial operations (Modern Pattern & Foundry Co.) located at 5610 Alcoa Avenue in the City of Veron, you are subject to requirements specified in a General Permit for Storm Water Discharges Associated with Industrial Activities (Permit). In order to certify your intent to comply with the Permit, you signed a Notice of Intent (NOI) that was processed on October 20, 1993. In signing the NOI, you certified to the State of California that you read the Permit and will comply with all requirements specified in the Permit.

As specified in the Permit, the Permittee is required to develop a Storm Water Pollution Prevention Plan (SWPPP) in which the Permittee must identify potential sources of pollution and describe specific best management practices (BMPs) that shall be implemented to eliminate or reduce storm water pollution from the facility.

On June 19, 2009, we received your 2008-09 Annual Report and our review of the report shows that analytical results for Zinc (Zn) exceed the benchmark.

Please see the table below for your sampling summary.

Date Sampled	Constituent	Units	Benchmark	D-1	D-2
1/22/09	Zn	mg/L	0.117	17.0	1.60

Exceeding benchmark levels in sampling results is mainly due to ineffective BMPs. Permit Section A.8 describes storm water BMPs and requires the permittee to develop and implement the BMPs to reduce or prevent pollutants in storm water discharges.

You are required to comply immediately with the following tasks:

- 1. Ensure full compliance with the General Permit (Section A.8).
- 2. Implement effective BMPs described in your SWPPP, or;
- 3. If you are already implementing the BMPs described in your SWPPP but your analytical results are higher than the benchmark values, you must implement additional BMPs, and amend your SWPPP accordingly.

If you fail to implement or upgrade your BMPs and amend your SWPPP, pursuant to §13385 of the California Water Code, you are subject to enforcement action, including administrative civil liability (penalties), for your violation(s) of the General Permit. Penalties may be assessed at a rate of \$10,000 per day for each violation. Penalties may accrue from the date the violation first occurred, and may be assessed without further warning. Furthermore, the Regional Board may also request the United States Attorney, appropriate County District Attorney, or City Attorney to seek criminal prosecution. A Superior Court may be requested to impose civil or criminal penalties.

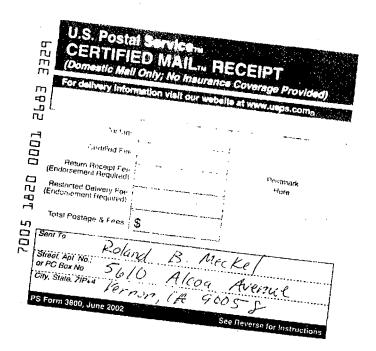
Please submit evidence of implemented additional BMPs and SWPPP amendments by April 5, 2010 to Mr. Sean Lee of this office.

If you have any questions regarding this matter, please contact Mr. Sean Lee at (213) 620-2202.

Sincerely,

Tracy J Egoscue
Executive Officer

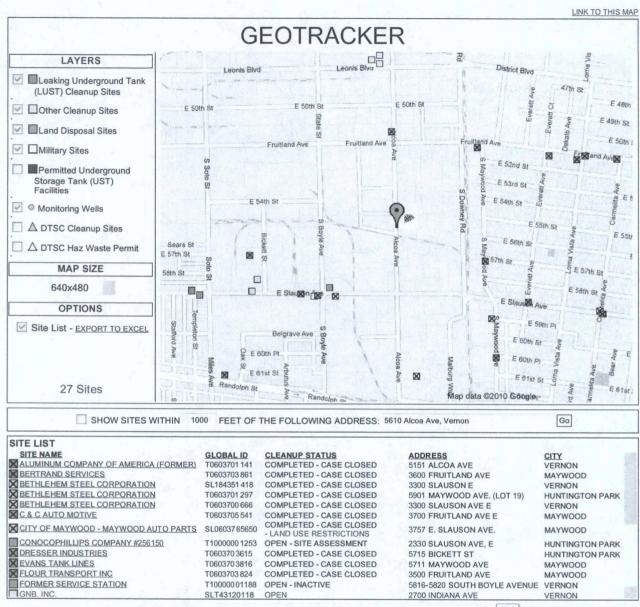
cc: Jerrick Torres, City of Vernon



UNITED STATES POSTAL SERVICE First-Class Mail Postage & Fees Pa
USPS TO A STATE OF THE STATE OF
• Sender: Please print your name, address, and ZIP+4 in this box •
Victor VEROLO, Soun Lee
LA Regional Board
LA Regional Board  320 W 4th St. # 200
20s Angeles, CA 900/3
Sterm Water Section 4197.010685

#### RWQCB 2010b

California Environmental Protection Agency, Los Angeles Regional Water Quality Control Board, Geotracker database, <a href="http://geotracker.swrcb.ca.gov">http://geotracker.swrcb.ca.gov</a>, data accessed June 11, 2010



#### **SCAQMD 1957**

South Coast Air Quality Management District, Permits to Operate, October 17, 1957

## LUTION CONTROL DESTRICT

COUNTY OF LOS ANGELES

## PERMIT

IS HEREBY GRANTED TO

MODERN PATTERN AND FOUNDRY COMPANY. INCORPORATED

TO OPERATE

ONE SANDBLAST CABINET. 27" W. X 27" D. X 27" H., CUSTOM-BUILT.

LOCATED AT

5610 ALCOA AVENUE LOS ANGELES 58, CALIFORNIA

SUBJECT TO THE FOLLOWING CONDITION:

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THIS OFFICE.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 20, CHAPTER 2, ARTICLE 3, OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES. REGULATIONS OR STATUTES OF OTHER GOVERNMENTAL AGENCIES.

Appl. No. 27921

By By Date October 17, 1957

Appl. No. 27921

By By

REVOCABLE AND NOT TRANSFERABLE

E. L. KONOLD Asst. Business Managep238-7/57

## AIR POLLUTION CONTROL DETRIC

County of Los Angeles

## PERMIT

IS HEREBY GRANTED TO

MODERN PATTERN AND FOUNDRY COMPANY, INCORPORATED

TO OPERATE

ONE SANDBLAST CABINET, 60" W. X 37" D. X 70" H., MACLEDD COMPANY, SERIAL NO. 7-3162.

LOCATED AT

5610 ALCOA AVENUE LOS ANGELES 58. CALIFORNIA

SUBJECT TO THE FOLLOWING CONDITION:

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THIS OFFICE.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 20, CHAPTER 2, ARTICLE 3, OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT.

THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES,

REGULATIONS OR STATUTES OF OTHER GOVERNMENTAL AGENCIES.

Date October 17, 1957
Appl. No. 27921

AIR POLLUTION CONTROL OFFICER

Nº · 41230

8

By\_

REVOCABLE AND NOT TRANSFERABLE

E. L. KONOLD

Asst. Business Manager 7/57

PELUTION CONTROL BETRICT

County of Los Angeles

PERMIT

IS HEREBY GRANTED TO

MODERN PATTERN AND FOUNDRY COMPANY, INCORPORATED

TO OPERATE

ONE 5 H.P. LOCAL EXHAUST SYSTEM WITH A PANGEORN MODEL CN800 CLOTH TUBULAR TYPE BAG-HOUSE SERVING ONE MACLEOD COMPANY SANDBLAST CABINET, ONE CUSTOM-BUILT SANDBLAST CABINET, THREE DOUBLE-ENDED BUFFING AND GRINDING MACHINES AND ONE SINGLE WHEEL GRINDING MACHINE.

LOCATED AT

5610 ALCOA AVENUE LOS ANGELES 58, CALIFORNIA

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 20, CHAPTER 2, ARTICLE 3, OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES,

REGULATIONS OR STATUTES OF OTHER GOVERNMENTAL AGENCIES.

Date October 17, 1957 AIR POLLUTION CONTROL OFFICER Appl. No. 27921

Mo 41229

REVOCABLE AND NOT TRANSFERABLE

Asst. Business Manager

#### **SCAQMD 1961**

South Coast Air Quality Management District SCAQMD, Permits to Operate, August 7, 1961

## AIR POLLUTION CONTR DISTRICT COUNTY OF LOS ANGELES



A PERMIT IS HEREBY GRANTED TO:

Appl. No. A-11481

MODERN PATTERN AND FOUNDRY COMPANY, INCORPORATED

11019

TO OPERATE

FURNACE, ALUMINUM MELTING, CUSTOM-MADE, TILTUNG CRUCIBLE TYPE, 1700 LES. CAPACITY, 3'-7" DIA. X L'-7" H., GAS FIRED.

#### LOCATED AT

5610 ALCOA AVENUE, VERNON 58, CALIFORNIA
--(SUEJECT TO THE FOLLOWING CONDITIONS)

- 1. OPERATION OF THIS EQUIPMENT MUST HE CONDUCTED IN COMPILANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERHIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
- 2. CHIORINE, ALUMINUM CHIORIDE OR ALUMINUM FLUORIDE MUST NOT HE USED IN THIS FURNACE.
- 3. METAL CONTAMINATED WITH ORGANIC MATERIAL MUST NOT BE CHARGED TO THIS FURNACE.

#### REVOCABLE AND NOT TRANSFERABLE

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 20, Chapter 2, Article 3, of the Health and Safety Code of the State of California or the Rules and Regulations of the Air Pollution Control District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies.

VOID UNLESS VALIDATED \$

BY R. J. Schwartz, Ass't Bus. Mgr.

TIR1330 NB 2613 A 70300

No. A 11019

## AIR POLLUTION CONTR DISTRICT COUNTY OF LOS ANGELES



A PERMIT IS HEREBY GRANTED TO:

HODERN PATTERN AND FOUNDRY COMPANY, INCORPORATED

Appl. No. A-11480

I

TO OPERATE

A 11018

FUENACE, ALUMINUM MELTING, HODIFIED CAMPEELL-HAUSFELD, TILTING CRUCIBLE TYPE, 1130 LES. CAPACITY, 3'-L" DIA. X L'-2" H., GAS FIRED.

LOCATED AT

5610 ALCOA AVENUE, VERNON 58, CALIFORNIA (SUBJECT TO THE FOLIOWING CONDITIONS)

- 1. OFERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED HELDS.
- 2. CHIORIPE, ALUMINUM CHIORIDE OR ALUMINUM PLUORIDE MUST NOT BE USED IN THIS FURNACE.
- 3. DETAL CONTAMINATED WITH ORGANIC MATERIAL HUST NOT BE CHARGED TO THIS FURNACE.

#### REVOCABLE AND NOT TRANSFERABLE

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 20, Chapter 2, Article 3, of the Health and Safety Code of the State of California or the Rules and Regulations of the Air Pollution Control District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies.

VOID UNLESS VALIDATED >

AIR POLLUTION CONTROL OFFICER

BY M. Alkuva-1

R. J. Schwartz/Ass't Bus. Mgr.

DATE August 2, 1961

7000 A 7000

No. A 11018

#### **SCAQMD 2000**

South Coast Air Quality Management District, Notices to Comply, NC C66660 and NC 66664, November 2000

## South Coast Air Quality Management District NC C66660

Facility				
Facility: Location Address: Mailing Address:	MODERN PATTERN & FOUNDRY CO INC 5610 ALCOA, AVE VERNON, CA 90058-379	(ID: 13030) 93		
Representative:	PRESIDENT			v.
Violation Notice Issued Date:	44.77.0000			
Violation Date:	11/7/2000 11/7/2000			
Serve To:	ROLAND MECKEL			•
Issue By:	VICTOR YIP (Team; I)			
Assignment No.: Compliance	634004		•	
Acheived Date: Equipment	12/07/2000	•		
Description:	DDOVIDE METAL OFFICION FOR			
	PROVIDE METAL CERTIFICATIONS FOR A MELT FOR ALUMINUM & ALUMINUM/BRO	ALL ALUMINUM & ALUMINUM/BRO NZE FOR 1999 &2000.	ONZE MELTED. PROVIDE RI	ECORDS OF TOTA
<u>Disposition</u>				
Final Action Code:		•		
Due Date:	11/21/2000		• .	
Violation Days:	0	·		
Rule/Commen	t			
42303				•
~	•			
				•
Emittent				
Follow-Up		·		
Status: INCOMP	Inspector ID:	Inspection Date: 12/07/00 00:00	Number:	
Device IDs.				
Inspector Com	ment			
			,	•
		•		
	•		•	
	•			
INSPECTOR:		DATE:		
sign	ature			
SUPERVISOR:		DATE:		
	ature			

### South Coast Air Quality Management District NC C66664

Company Facility:							
Facility: Location Address:	MODERN PATTER	N & FOUNDRY CO IN	NC (ID: 13030)				
Mailing Address:	3610 ALCOA, AVE	VERNON, CA 90058-	3/93				
Representative:	PRESIDENT						
rroprosonianto.	PRESIDENT						
Violation Notice Issued Date:							
Notice Issued Date:	11/21/2000						
Violation Date:	11/21/2000						
Serve To:	ROLAND MECKEL						
Issue By: Assignment No.:	VICTOR YIP (Team	ı: l)					
Compliance	634003						
Acheived Date:	12/07/2000				·		
Equipment							
Description:	1						
					•		
Compliance Required:	APPLY FOR A CHAUSED.	NGE OF PERMIT CO	ONDITION FOR F	P/O F8378 TO REF	LECT THE CORRE	CT AMOUNT	OF CATALYST
Disposition							
Final Action Code:							
Due Date:	12/5/2000	•					
	0						
Violation Days:	V						
Rule/Commen	t .						
203 b							
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	1						
Emittent							
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Follow Un							
Follow-Up	<del></del>					<del></del>	
Status: INCOMP	Inspector	ID:	Inspection Da	te: 12/07/00 00:00	Numbe	art.	
Device IDs.	i						
Inspector Com	mont						
mspector Com	ment				· · · · · · · · · · · · · · · · · · ·		
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INSPECTOR:				DATE:			
sign	ature		*****				
_							
SUPERVISOR:				DATE:			
sign	ature						

#### SCAQMD 2010a

South Coast Air Quality Management District, Facility Equipment List Report, May 26, 2010

Run Date: 05/26/2010 12:09 PM

Suspended: N

### South Coast Air Quality Management District

### **Facility Equipment List Report**

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC

Contact: B. L. GRIFFITHS (909) 3929656

Last Inspection: 09/10/2008

TS: TS-11 Industrial: Sector-based I Quarter: 0100 - inspect in 2nd quarter, every year

SIC: 3365

Facility Status: Active

On Hold: N

Inspector: JL06 JEFFREY LLOYD

Inspection Date: 09/10/2008

Assignment No. 1068425 Facility Team: J Disposition: Operating in Compliance at time of inspection

Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG Mailing Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG

Instruction:

	RECLAIM: N		TITLE V: N		SIP:		AIR:		•	
	Application No.	Permit No.	Permit Issue Date	Permit Status	Equipme Categor		BCAT/CCAT Description		Application Date	Application Status
	002135	001849	08/07/1950	INACTIVE	001600	BCAT	FURNACE REVE	RB ALUMINUM	01/01/1900	PERMIT TO OPERATE GRANTED
	_ 027921	041230	10/17/1957	ACTIVE .	000284	<b>BCAT</b>	ABRASIVE BLAST	ING (CABINET/MACHINE/ROOM)	01/01/1990	PERMIT TO OPERATE GRANTED
	_ 027921	041230	10/17/1957	ACTIVE	21	CCAT	BAGHOUSE		01/01/1990	PERMIT TO OPERATE GRANTED
	161549	M63308	05/14/1988	ACTIVE	000268	BCAT	OVEN, SCREEN F	PRINTING	10/09/1987	PERMIT TO OPERATE GRANTED
	218982	D37211	03/29/1991	ACTIVE .	000198	BCAT	WAX BURN-OFF	OVEN	12/19/1989	PERMIT TO OPERATE GRANTED
	299980		•		666072	BCAT	RULE 1125 (b)(3)	COMPLIANCE PLAN	01/12/1995	BANKING/ PLAN GRANTED
	_ 327210	F8378	07/24/1997	INACTIVE	000306	BCAT	FOUNDRY SAND	MOLD, COLD FORMING PROCES	04/17/1997	PERMIT TO OPERATE GRANTED
	329050	F21771	08/23/1999	ACTIVE	000198	BCAT	WAX BURN-OFF	OVEN	06/13/1997	PERMIT TO OPERATE GRANTED
	_ 377371	F45305	10/13/2001	ACTIVE	000306	BCAT	FOUNDRY SAND	MOLD, COLD FORMING PROCES	11/28/2000	PERMIT TO OPERATE GRANTED
	421310	F65060	12/18/2003	ACTIVE	000284	BCAT	ABRASIVE BLAST	ING (CABINET/MACHINE/ROOM)	10/28/2003	PERMIT TO OPERATE GRANTED
	422609	F65135	12/18/2003	ACTIVE	74	CCAT	BAGHOUSE, AME	BIENT TEMP (<=100 SQ FT)	12/09/2003	PERMIT TO OPERATE GRANTED
	_ A25479	P08205	04/09/1965	EXPIRED	000262	BCAT	CORE OVEN		01/01/1990	PERMIT TO OPERATE GRANTED
	_ A25482	P13066	03/16/1966	ACTIVE	001010	BCAT	FURNACE CRUC	IBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
	A25483	P08090	03/30/1965	EXPIRED	001010	BCAT	FURNACE CRUC	IBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A25484	P08091	03/30/1965	INACTIVE	001010	BCAT	FURNACE CRUC	IBLE BRASS YELLOW	01/01/1900	PERMIT TO OPERATE GRANTED
	_ A56768	P43103	04/12/1971	ACTIVE	000284	BCAT	ABRASIVE BLAST	ING (CABINET/MACHINE/ROOM)	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A56768	P43103	04/12/1971	ACTIVE	22	CCAT	BAGHOUSE, AME	SIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A56770	P43104	04/12/1971	ACTIVE	22	CCAT	BAGHOUSE, AME	BIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A56770	P43104	. 04/12/1971	ACTIVE	000284	BCAT	ABRASIVE BLAST	ING (CABINET/MACHINE/ROOM)	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A56885	P47903	12/20/1971	INACTIVE	001330	BCAT	FURNACE ELECT	IND & RES IRON-STEEL	01/01/1900	PERMIT TO OPERATE GRANTED
	_ A56885	P47903	12/20/1971	INACTIVE	21	CCAT	BAGHOUSE		01/01/1900	PERMIT TO OPERATE GRANTED
	A57595	P47904	12/20/1971	ACTIVE	001330	BCAT	FURNACE ELECT	IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A57595	P47904	12/20/1971	ACTIVE	21	CCAT	BAGHOUSE		01/01/1990	PERMIT TO OPERATE GRANTED
	C05603	M05075	08/30/1978	INACTIVE	000262	BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED
	_ C05604	M05175	08/30/1978	INACTIVE	000262	BCAT	CORE OVEN	•	01/01/1900	PERMIT TO OPERATE GRANTED
-	_ C05605	M05176	08/30/1978	INACTIVE	000262	BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED
	_ C05606	M05506	07/28/1978	ACTIVE	000262		CORE OVEN		01/01/1990	PERMIT TO OPERATE GRANTED
_	_ C05607	M05177	08/30/1978	INACTIVE	000262	BCAT	CORE OVEN	•	01/01/1900	PERMIT TO OPERATE GRANTED
ecto				Date:			Reviewed By:		Date:	Page 1 c

## **South Coast Air Quality Management District**

Run Date: 05/26/2010 12:09 PM

					Fa	cilit	y Equipi	nent List Repor	t			
Inspec Location Mailing		/10/2008 65 06 JEFFF 9/10/2008 10 ALCOA	DERN PATTEF REY LLOYD A AVE, VERNOI A AVE, VERNOI	N <b>90058-</b> 379:	3 Sector:	PG	TS: Facility Status: Assignment No.		Qua On F Cility Te	rter: 0100 - i łold: N am: J		y year Guspended: N
F	RECLAIM: N		TITLE V:N		SIP:		AIR:					
	Application No.	Permit No.	Permit Issue Date	Permit Status			BCAT/CCAT Description			Application Date	Application Status	
Application Permit Permit Permit Equipment BCAT/CCAT Application Application								GRANTED GRANTED GRANTED GRANTED GRANTED off, was busy. The nd break off dry is the oldest in in 1200-1400 at to determine at later spoke with nd 49.4 pounds of evices (F65135 & 30-pound a aluminum-bronze				

nspector:	Date:	Reviewed By:	Date:	Page 2 of

## South Coast Air Quality Management District Facility Equipment List Report

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC

Last Inspection: 01/16/89 9 /16/99 Inspector: Compl Team: W Permit Team: MR: 05 04 Quarter: 0010 - inspect in 3rd quarter, every year SIC Code: 3365 SECTOR 1D: PG Suspended?: On Hold?: TS: AIRS ID:

Location Address: 5610 ALCOA AVE, VERNON CA 90058 Applicable Rules:

Mailing Address:

	APPL NO:	PERMIT NO:	PERMIT ISSUE DATE:	PERMIT STATUS:	BCAT /CCAT	DESCRIPTON	APPL DATE	APPL STATUS DESCRIPTION
	161549	M63308	880514	ACTIVE	268	OVEN, SCREEN PRINTING	871009	Permit to Construct
	2135	1849	500807	INACTIVE	1600	FURNACE REVERB ALUMINUM		
	218982	D37211	910329	ACTIVE	198	WAX BURN-OFF OVEN	891219	P/Q no P/C
	27921	41230	571017	ACTIVE	21	BAGHOUSE	900101	Permit to Operate
	27921	41230	571017	ACTIVE	284	ABRASIVE BLASTING (CABINET/MACHINE/ROOM	900101	Permit to Operate
_/	327210	F8378	970724	ACTIVE	306	FOUNDRY SAND MOLD, COLD FORMING PROCE	970417	Permit to Construct
	A25479	P08205	650409	ACTIVE	262	CORE OVEN	900101	Permit to Operate
	A25482	P13066	660316	ACTIVE	1010	FURNACE CRUCIBLE BRASS YELLOW	900101	Permit to Operate
	A25483	P08090	650330	ACTIVE	1010	FURNACE CRUCIBLE BRASS YELLOW	900101	Permit to Operate
	A25484	_ <del>P0809</del> 1	<del>-650330</del>	INACTIVE	1010	FURNACE CRUCIBLE BRASS YELLOW		
	A56768	P43103	710412	ACTIVE	284	ABRASIVE BLASTING (CABINET/MACHINE/ROOM	900101	Permit to Operate
	A56768	P43103	710412	ACTIVE	22	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	900101	Permit to Operate
	A56770	P43104	710412	ACTIVE	284	ABRASIVE BLASTING (CABINET/MACHINE/ROOM	900101	Permit to Operate
	A56770	P43104	710412	ACTIVE	22	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	900101	Permit to Operate
	A56885	<del> P47903</del>	<del>711220 -</del>	-INACTIVE -	1330	FURNACE ELECT IND & RES IRON-STEEL	· · · · · · · · · · · · · · · · · · ·	
	A57595	P47904	711220	ACTIVE	1330	FURNACE ELECT IND & RES IRON-STEEL	900101	Permit to Operate
	A57595	P47904	711220	ACTIVE	. 21	BAGHOUSE	900101	Permit to Operate
	<del>C05603</del>	M05075	780830	INACTIVE	262	CORE OVEN		
	C05604-	M05175	780830	INACTIVE	<del> 262</del>	CORE OVEN	·*************************************	
	C05605	-M05176	780830	INACTIVE	<del>262</del>	CORE OVEN		The second secon
	C05606	M05506	780728	ACTIVE	262	CORE OVEN	900101	Permit to Operate

Facility:	13030	MODERN	PATTE	RN &	<b>FOUNDRY</b>	CO	INC

Inspector: VICTOR 410 Date: 1 / Reviewed By: \_\_\_\_\_ Date: 9, 28, 99

## South Coast Air Quality Management District Facility Equipment List Report

C05607	M05177	780830	- INACTIVE	<del>262</del>	CORE OVEN		
<del><c05608< del=""></c05608<></del>	M05178	780830	INACTIVE	262_	CORE OVEN	900101	-Permit to Operate
C05609	M05179	780830	INACTIVE	262	CORE OVEN		_
<del> </del>	M05180	780830	- INACTIVE -	<del>- 262</del>	CORE OVEN		
C05611	M05181	780830	INACTIVE	<del>262</del>	CORE OVEN		
C23239	M21043	820212	ACTIVE	21	BAGHOUSE	900101	Permit to Operate
C23239	M21043	820212	ACTIVE	1330	FURNACE ELECT IND & RES IRON-STEEL	900101	Permit to Operate
Commonte:							

Facility: 130	30 M	JUEKN PA	TITERN & FOL	INDRY CC	INC					
Inspector: <u>V</u>	ICTOR :	IP P		Date:	/	/	Reviewed By:	Date:	/	/

### SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT STATIONARY SOURCE COMPLIANCE

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1.		. 10	· ·		-3	u	_	u

COMPANY NAME MODERN PATTERN & FOUNDRY CO INC.	TEL (909) 392-9656	ZIP CODE 90058
ADDRESS 5610 ALCOA AVE.	CITY VERNON	
NATURE OF BUSINESS METAL CASTING (FERROUS AND NON FERROUS CASTI	INGS)	
CONTACT PERSON BUTCH GRIFFITHS		

SPECIAL INSPECTION REPORT

INSPECTOR	DATE	FINDINGS	NC or NOV	REPORT	CHECKED CHECKED
ictor Yip	09/16/99		an diddith is	09/21/99	
· · · · · · · · · · · · · · · · · · ·		THE ANNUAL INSPECTION WAS DONE WITH JOHN, PRESIDENT, OF THE	<del></del>		-
		FACILITY. THE COMPANY IS A METAL CASTING COMPANY THAT CASTS			
		ALUMINUM BRONZE, STEEL, AND ALUMINUM. IT OPERATES TWO CRUCIBI	Æ		
		FURNACES, TWO CORE OVENS, TWO BURN-OFF OVENS WITH AFTERBURNE	RS,		
<u>-</u>		2 ABRASIVE BLAST MACHINES, SAND HANDLING EQUIPMENT, AND AN			
·		ELECTRICAL FURNACE. THE COMPANY IS UNDER APPLICATION TO CHANGE	E		
	1	THE LIMIT OF CATALYST ADDED TO THE SAND MIXER UNDER P/O F8378. T	HE		"
		CURRENT LIMIT IS .15 POUNDS IN ANY ONE DAY. THE FACILITY IS REQUE	TING		
		THAT THE CONDITION BE INCREASED TO MEET HIGHER DEMANDS FOR			
		PRODUCTION. RECORD WERE SHOWN TO COMPLY WITH THIS LIMIT UNTIL			
<del></del>		THE CONDITION IS CHANGED. CONDITIONS 3, 4, 5 WERE SHOWN TO BE IN			
	<u> </u>	COMPLIANCE AFTER REVIEW OF THE BATCH RECORDS FOR THE AMOUNT	OF SAND		
		PROCESSED IN THE MIXER. THE TWO ABRASIVE BLAST MACHINES UNDER			
		P/O 41230 AND P43103 ARE VENTED TO BAGHOUSES P/O P47904 AND P43104			
	:	AND WERE IN GOOD OPERATING ORDER. THREE MELTING FURNACES		. ,	
		UNDER P/O P8090, P13066, AND M21043 WERE NOT IN OPERATION. NO COPP	ER		
	· ·	IS PROCESSED IN ANY OF THE FURNACES. ALSO, ALL METALS ARE CLEAN	ED		
	-	BEFORE IT IS RECEIVED BY THE COMPANY. THE TWO WAX BURN-OUT OV	ENS		

## SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT STATIONARY SOURCE COMPLIANCE

ADDRESS\_\_\_\_\_\_\_NATURE OF BUSINESS\_\_\_\_\_

Diff. South	I.D. NO	
Tel	ZIP CODE	
CITY		
		_
	· .	

### CONTACT PERSON SPECIAL INSPECTION REPORT CHECKED REPORT NC or BY NOV DATE FINDINGS DATE INSPECTOR WERE NOT IN OPERATION. I DID, HOWEVER, NOTICE THAT THE TEMPERATURE SETTINGS FOR THE AFTERBURNERS WERE SET AT 1500 DEGREES F. ALSO THE PROCESS TEMPERATURES WERE SET AT ABOUT 500 DEGREES F. THE AFTERBURNERS ARE EQUIPPED WITH PYROMETERS WHICH HAVE BEEN CALIBRATED AND CERTIFIED ON 8/26/99 (PER P/OD37211, M63308). LASTLY, I VERIFIED THAT THE TWO OVENS, P/O M05506, P8205, WERE PRESENT AND IN GOOD OPERATING CONDITION. THE FACILITY IS IN COMPLIANCE WITH R. 203.

## South Coast Air Quality Management District

Run Date: 11/22/2000 10:10 AM

### **Facility Equipment List Report**

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC

MR: 0504

Contact: B. L. GRIFFITHS (909) 3929656

Facility Team: J

Last Inspection: 11/07/2000

TS:

Quarter: 0010 - inspect in 3rd quarter, every year

SIC: 3365

Facility Status: Active Assignment No.632181

Suspended: On Hold:

Inspector: VY01 VICTOR YIP

Inspection Date: 11/07/2000

Disposition: Notice To Comply

Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG

Mailing Address:

Instruction: NC#C66660 ISSUED FOR H&S 42303

RECLAIM: N	TITLE V: N	SIP:	AIR:		
Application Permit		Permit Equipment Status Category	Description	ate	Status
No. No. 329050 F21771  327210 F8378  218982 D37211  161549 M63300  C23239 M2104  C23239 M2104  C05608 M0517  C05604 M0517  C05605 M0517  C05607 M0517  C05609 M0517  C05609 M0517  C05610 M0518  C05601 M0518  C05606 M0550	Permit Issue Date  08/23/1999 07/24/1997 03/29/1991 3 05/14/1982 3 02/12/1982 3 02/12/1982 3 08/30/1978 5 08/30/1978 6 08/30/1978 7 08/30/1978 9 08/30/1978 0 08/30/1978 1 08/30/1978 6 07/28/1978	Permit Status Category  ACTIVE 00019 BCAT ACTIVE 00030 BCAT ACTIVE 00019 BCAT ACTIVE 00026 BCAT ACTIVE 00133 BCAT ACTIVE 21 CCAT INACTIVE 00026 BCAT	BCAT/CCAT Description  WAX BURN-OFF OVEN FOUNDRY SAND MOLD, COLD FORMING PROCE WAX BURN-OFF OVEN OVEN, SCREEN PRINTING FURNACE ELECT IND & RES IRON-STEEL BAGHOUSE CORE OVEN CORE OVEN CORE OVEN CORE OVEN CORE OVEN	ate  06/13/199 04/17/199 12/19/198 10/09/198 01/01/199 01/01/190 01/01/190 01/01/190 01/01/190 01/01/190 01/01/190 01/01/190	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
A57595 P4790  A57595 P4790  A56885 P4790  A56885 P4790  A56768 P4310  A56770 P4310  A56770 P4310  A25482 P1306  A25483 P0809  A25484 P0809	12/20/1971 12/20/1971 12/20/1971 12/20/1971 04/12/1971 04/12/1971 04/12/1971 04/12/1971 03/16/1966 04/09/1965 03/30/1965	ACTIVE 00028 BCAT ACTIVE 22 CCAT ACTIVE 00028 BCAT ACTIVE 22 CCAT ACTIVE 00101 BCAT ACTIVE 00026 BCAT ACTIVE 00101 BCAT	BAGHOUSE FURNACE ELECT IND & RES IRON-STEEL BAGHOUSE ABRASIVE BLASTING (CABINET/MACHINE/ROC BAGHOUSE, AMBIENT TEMP (>500 SQ FT) ABRASIVE BLASTING (CABINET/MACHINE/ROC BAGHOUSE, AMBIENT TEMP (>500 SQ FT) FURNACE CRUCIBLE BRASS YELLOW CORE OVEN FURNACE CRUCIBLE BRASS YELLOW	01/01/199 01/01/199 01/01/199 01/01/199 01/01/199 01/01/19 01/01/19 01/01/19 01/01/19	PERMIT TO OPERATE GRANTED DEPERMIT TO OPERATE GRANTED DEPERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED

Reviewed By:

7-01-00 Date:

### South Coast Air Quality Management District

Run Date: 11/22/2000 10:10 AM

#### **Facility Equipment List Report**

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC

MR: 0504

Contact: B. L. GRIFFITHS (909) 3929656

Facility Team: J

Last Inspection: 11/07/2000

TS:

Quarter: 0010 - inspect in 3rd quarter, every year

SIC: 3365 Inspector: VY01 VICTOR YIP Facility Status: Active Assignment No. 632181

On Hold: Suspended:

hispector. VIOT VIOTOTI

Disposition: Notice To Comply

Inspection Date: 11/07/2000

Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG

Mailing Address:

Instruction: NC#C66660 ISSUED FOR H&S 42303

RECLAIM: N			TITLE V:N		SIP:		AIR:			
	Application	Permit No.	Permit Issue Date	Permit Status	Equipm Categor		BCAT/CCAT Description	Applic Date	ation Applicat Status	tion
	027921	041230	10/17/1957	AÇTIVE	00028	BCAT	ABRASIVE BLASTING (CABINI	ET/MACHINE/ROO 01/01	/199 PERMIT	TO OPERATE GRANTED
 /	027921	041230	10/17/1957	ACTIVE	21	CCAT	BAGHOUSE	01/01	/199 PERMIT	TO OPERATE GRANTED
 	002135	001849	08/07/1950	INACTIVE	00160	BCAT	FURNACE REVERB ALUMINUM	A 01/01	/190 PERMIT	TO OPERATE GRANTED
	299980				66607	BCAT	RULE 1125 (b)(3) COMPLIANO	CE PLAN 01/12	/199 BANKIN	G/ PLAN GRANTED

#### Report:

I visited the above company on 11/07/2000 and met with Mr. Roland Meckel, President, to conduct an annual compliance inspection. The company is a foundry that melts aluminum, steel, and aluminum-bronze. We began the walkthrough inspection at the machining department where two abrasive blast cabinets are located and permitted with P/O P43103 and P43104. The units are vented to one baghouse (P43104). Both units were in operation but are not bound by operating conditions. The abrasive blast media used is steel shot and complies with R. 1140 for confined abrasive blasting. Next I verified operation of one sand core mixer with P/O F8378. Condition #3, 4, and 5 limits the amount of material processed to no more than 3,800 pounds in any one day, no more than 49.4 pounds of resin in any one day, and no more than .15 pounds of catalyst in any one day. Operating logs shows the recipe of each batch to be 76 pounds of sand with .99 pounds of Chem-rez LA Resin and .12 pounds of catalyst per batch. Records show that the company mixes an average of 30 batches per day. I proceeded to the foundry where one core furnace (M63308) was operating. P/O conditions require that the temperature of the afterburner be maintained above 1200 Deg. F. when the interanal oven is operating between 400 and 800 Deg. F. The unit was found operating at 548 Deg. F with the afterburner at 386 Deg. F. I verified that approximately 10 cores were inside of the unit. Mr. Meckel explained that the cores were being heated at that no wax burn-off was conducted. I determined that since no burn-off was being conducted at the time, the temperature limit was not violated. The company operates two newer wax burn-off furnaces (F21771 & D37211). P/O conditions for F21771 limit the operation of the unit to no more than 8 hours per day and that the temperature in the afterburner be at least 1400 Deg. F when the oven temperature is 1200 Deg. or higher. I verified that the oven was operating at 800 Deg. F and the afterburner was not in operation (compliant with P/O conditions). P/O D37211 conditions require that the afterburner be maintained at 1400 Deg. F. with the oven is between 400 and 1000 Deg. F. I verified that the oven was operating at 1655 Deg. F and the afterburner was operating at 2400 Deg. F. The company operates three 300-pound aluminum furnaces used to melt aluminum ingot [exempt from P/O R. 219(e)(2)], 2 240-pound brass melting furnaces (P13066 & P8090) used to melt aluminum-bronze (no yellow brass is melted in the facilty), and 1 steel melting furnace 300-pound capacity. I was not able to determine the composition of the aluminum-bronze to verify permit conditions. I asked Mr. Meckel to provide the metal certifications for both aluminum and aluminum-bronze in order to verify compliance with P/O conditions and R. 219 exemption. NC#C66660 was issued to the company to provide records of the total melt for all metals and provide certifications for all metals used at the facility. I will determine compliance with R. 1407 and 203(b) upon follow-up inspection. The company has violated R. 203(b) for exceeding the limit of catalyst use allowed per day. Mr. Meckel provided information regarding a change of permit condition dated 9/12/1997. I issued the company NC#C66664 (11/21/00) to apply for a change of permit condition.

Inspector:	VETOR	tira	VD	<i>)</i> _

Date: 11/22/00

Reviewed By:

Date:		

Run Date: 08/28/2002 10:02 AM

## South Coast Air Quality Management District

**Facility Equipment List Report** 

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC

MR: 0504

Contact: B. L. GRIFFITHS (909) 3929656

Last Inspection: 11/07/2000

TS: TS11 - Sector

Disposition: Operating in Compliance at time of inspection

Quarter: 0010 - inspect in 3rd quarter, every year

SIC: 3365

Facility Status: Active

Suspended: On Hold:

Inspector: ED01 ERWIN DELACRUZ

Assignment No. 721752

Facility Team: J

Inspection Date: 08/20/2002

Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG

Mailing Address: Instruction:

> AIR: SIP: TITLE V: N RECLAIM: N Application Application BCAT/CCAT Permit Equipment Application Permit Permit Status Category Description Date Issue Date Status No. No. 01/01/1990 PERMIT TO OPERATE GRANTED **BAGHOUSE** 10/17/1957 ACTIVE 21 CCAT 041230 027921 ABRASIVE BLASTING (CABINET/MACHINE/ROO 01/01/1990 PERMIT TO OPERATE GRANTED 000284 BCAT ACTIVE 027921 041230 10/17/1957 10/09/1987 PERMIT TO OPERATE GRANTED OVEN, SCREEN PRINTING **ACTIVE** 000268 BCAT 161549 M63308 05/14/1988 12/19/1989 PERMIT TO OPERATE GRANTED WAX BURN-OFF OVEN 000198 BCAT / 218982 D37211 03/29/1991 ACTIVE 01/12/1995 BANKING/ PLAN GRANTED 666072 BCAT RULE 1125 (b)(3) COMPLIANCE PLAN 299980 06/13/1997 PERMIT TO OPERATE GRANTED **ACTIVE** 000198 BCAT WAX BURN-OFF OVEN √ 329050 F21771 08/23/1999 FOUNDRY SAND MOLD, COLD FORMING PROC 11/28/2000 PERMIT TO OPERATE GRANTED **ACTIVE** 000306 BCAT 10/13/2001 377371 F45305 01/01/1990 PERMIT TO OPERATE GRANTED **CORE OVEN ACTIVE** 000262 BCAT A25479 P08205 04/09/1965 01/01/1990 PERMIT TO OPERATE GRANTED FURNACE CRUCIBLE BRASS YELLOW **ACTIVE** 001010 BCAT 03/16/1966 A25482 P13066 01/01/1990 PERMIT TO OPERATE GRANTED 001010 BCAT FURNACE CRUCIBLE BRASS YELLOW 03/30/1965 **ACTIVE** A25483 P08090 ABRASIVE BLASTING (CABINET/MACHINE/ROO 01/01/1990 PERMIT TO OPERATE GRANTED **ACTIVE** 000284 BCAT 04/12/1971 P43103 A56768 01/01/1990 PERMIT TO OPERATE GRANTED **ACTIVE** CCAT BAGHOUSE, AMBIENT TEMP (>500 SQ FT) 04/12/1971 P43103 A56768 ABRASIVE BLASTING (CABINET/MACHINE/ROO 01/01/1990 PERMIT TO OPERATE GRANTED **ACTIVE** 000284 BCAT 04/12/1971 A56770 P43104 01/01/1990 PERMIT TO OPERATE GRANTED BAGHOUSE, AMBIENT TEMP (>500 SQ FT) **ACTIVE** 22 CCAT A56770 P43104 04/12/1971 01/01/1990 PERMIT TO OPERATE GRANTED **FURNACE ELECT IND & RES IRON-STEEL ACTIVE** 001330 BCAT P47904 12/20/1971 A57595 01/01/1990 PERMIT TO OPERATE GRANTED **BAGHOUSE ACTIVE** 21 CCAT P47904 12/20/1971 A57595 01/01/1990 PERMIT TO OPERATE GRANTED 000262 BCAT CORE OVEN 07/28/1978 ACTIVE C05606 M05506 BAGHOUSE 01/01/1990 PERMIT TO OPERATE GRANTED **ACTIVE** CCAT M21043 02/12/1982 C23239 01/01/1990 PERMIT TO OPERATE GRANTED **FURNACE ELECT IND & RES IRON-STEEL** 001330 BCAT M21043 02/12/1982 ACTIVE C23239

Report: Compliance inspection was conducted on 08/20/2002 with Roland Meckel, President. The company is a foundry that melts aluminum, steel, and aluminum-bronze. Facility has 13 permits for 7 furnaces, 2 abrasive blasting rooms, 2 baghouses, 1 shell core machine and 1 mixer. During the inspection, 1 oven (D37211), mixer (F45305), 1 abrasive blasting (P43103) and baghouse (P43104) were operating. D37211 has a condition that afterburner shall be maintained at a minimum temperature of 1400 °F when oven is operating at 400 - 1000 °F. Oven was operating at 500 °F and afterburner was operating at 1600 °F. F45305 has conditions that mixer shall not process more than 3,800 pounds in any one day and that amount of resin shall not exceed 49.4 pounds in any one day. Record shows that materials processed range from 1,248 to 2,730 pounds a day and amount of resin range from 16 to 35 pounds a day. Facility has two 300 pound furnaces, exempt per R. 219(e)(2). Facility also has a McKenna Boiler rated at 1.060 MMBTU and manufactured in year 2002. Boiler is certified to emit less than 30 ppm NOx and less than 100 ppm of CO. Facility was found in compliance with R. 1140, 1146.2, 222, and 203(b).

Dicmo-

Run Date 09/03/2003 02 51 PM

Suspended

## South Coast Air Quality Management District

Facility Status Active

Assignment No 782845

AID

### **Facility Equipment List Report**

MR 0504

Facility 13030 MODERN PATTERN & FOUNDRY CO INC

Last Inspection 11/07/2000

SIC 3365

Inspector ED01 ERWIN DELACRUZ

Instruction

DECLAIM N

Disposition Operating in Compliance at time of inspection Inspection Date 08/26/2003 Location Address 5610 ALCOA AVE VERNON 90058-3793 Sector PG---Mailing Address

CID

	RECLAIM N		TITLE V N		SIP	AIR			
	Application No	Permit No	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description		Application Date	Application Status
	299980	·		í	666072 BCAT	RULE 1125 (b)(3)	COMPLIANCE PLAN	01/12/1995	BANKING/ PLAN GRANTED
	377371	F45305	10/13/2001	ACTIVE	000306 BCAT			11/28/2000	PERMIT TO OPERATE GRANTED
	329050	F21771	08/23/1999	ACTIVE	000198 BCAT	WAX BURN-OFF			PERMIT TO OPERATE GRANTED
	327210	F8378	07/24/1997	INACTIVE	000306 BCAT	FOUNDRY SAND	MOLD COLD FORMING PROC		PERMIT TO OPERATE GRANTED
V	21898 <b>2</b>	D37211	03/29/1991	ACTIVE	000198 BCAT	WAX BURN-OFF	OVEN	12/19/1989	PERMIT TO OPERATE GRANTED
	 161549	M63308	05/14/1988	ACTIVE	000268 BCAT	OVEN SCREEN	PRINTING	10/09/1987	PERMIT TO OPERATE GRANTED
V	C23239	M21043	02/12/1982	ACTIVE	001330 BCAT	<b>FURNACE ELECT</b>	IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
	C23239	M21043	02/12/1982	ACTIVE	21 CCAT	BAGHOUSE		01/01/1990	PERMIT TO OPERATE GRANTED
	_ C05608	M05178	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN		01/01/1990	PERMIT TO OPERATE GRANTED
	_ C05603	M05075	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED
	_ C05604	M05175	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED
	_ C05605	M05176	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED
	_ C05607	M05177	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED
	_ C05609	M05179	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED
	_ C05610	M05180	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED
	_ C05611	M05181	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED
	C05606	M05506	07/28/1978	ACTIVE	000262 BCAT	CORE OVEN		01/01/1990	PERMIT TO OPERATE GRANTED
	A57595	P47904	12/20/1971	ACTIVE	001330 BCAT	FURNACE ELECT	IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A57595	P47904	12/20/1971	ACTIVE	21 CCAT	BAGHOUSE	,	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A56885	P47903	12/20/1971	INACTIVE	001330 BCAT	FURNACE ELECT	IND & RES IRON-STEEL	01/01/1900	PERMIT TO OPERATE GRANTED
	A56885	P47903	12/20/1971	INACTIVE	21 CCAT	BAGHOUSE		01/01/1900	PERMIT TO OPERATE GRANTED
	_ A56768	P43103	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLAST	TING (CABINET/MACHINE/ROC	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A56768	P43103	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AME	BIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED
		P43104	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLAST	TING (CABINET/MACHINE/ROC	01/01/1990	PERMIT TO OPERATE GRANTED
<u>/</u>	A56770	P43104	04/12/1971	ACTIVE	22 CCAT		BIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A25482	P13066	03/16/1966	ACTIVE	001010 BCAT		IBLE BRASS YELLOW		PERMIT TO OPERATE GRANTED
	A25479	P08205	04/09/1965	ACTIVE	000262 BCAT	CORE OVEN		01/01/1990	PERMIT TO OPERATE GRANTED
				1			,		

Contact B L GRIFFITHS (909) 3929656

TS TS-11 Industrial Sector-base Quarter 0010 - inspect in 3rd quarter every year

On Hold

Facility Team J

Run Date 09/03/2003 02 51 PM

### South Coast Air Quality Management District

#### **Facility Equipment List Report**

Facility 13030 MODERN PATTERN & FOUNDRY CO INC

MR 0504

Contact B L GRIFFITHS (909) 3929656

Last Inspection 11/07/2000

TS TS-11 Industrial Sector-base Quarter 0010 - inspect in 3rd quarter every year Facility Status Active

On Hold

Suspended

SIC 3365

Inspector ED01 ERWIN DELACRUZ

Assignment No 782845

Facility Team J

Inspection Date 08/26/2003

Disposition Operating in Compliance at time of inspection

Location Address 5610 ALCOA AVE VERNON 90058-3793 Sector PG

Mailing Address Instruction

i	RECLAIM N		TITLE V N	• • •	SIP		AIR		•
	Application No	Permit No	Permit Issue Date	Permit Status	Equipme Category		BCAT/CCAT Description	Application Date	Application Status
	_ A25483	P08090	03/30/1965	ACTIVE	001010	BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A25484	P08091	03/30/1965	INACTIVE	001010	BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1900	PERMIT TO OPERATE GRANTED
	_ 027921	041230	10/17/1957	ACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROC	01/01/1990	PERMIT TO OPERATE GRANTED
	_ 027921	041230	10/17/1957	ACTIVE	21	CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
	002135	001849	08/07/1950	INACTIVE	001600	BCAT	FURNACE REVERB ALUMINUM	01/01/1900	PERMIT TO OPERATE GRANTED

Report Compliance inspection was conducted on 08/26/2003 with Roland Meckel President. The company is a foundry that melts aluminum, steel, and aluminum-bronze Facility has 13 permits for 7 furnaces, 2 abrasive blasting rooms, 2 baghouses, shell core machine and 1 mixer. During the inspection, abrasive blasting cabinet (P43103) and air pollution control device (P43104) were operating, everything else was not in operation. I verified that there were no changes to any of the permitted equipment and equipment list F45305 limits mixer to total amount of material processed not to exceed 3 800 pounds and amount of resin not to exceed 49 4 pounds in any one day Records indicate that mixer process 1 900 to 3,000 pounds of total material and 25 to 35 pounds of resin in any one day. Furnaces are permitted with temperature limit but I could not verify because the units were not operating. Facility has a McKenna Boiler rated at 1 060 MMBTU, year 2002. Facility was found in compliance with R 1146 2 1140 and 203(b)

Run Date: 06/22/2005 02:38 PM

Suspended:

### South Coast Air Quality Management District

### **Facility Equipment List Report**

MR: 0504

Facility Status: Active

Assignment No. 890517

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC

Last Inspection: 06/07/2005

SIC: 3365 Inspector: ED01 ERWIN DELACRUZ

Inspection Date: 06/07/2005

Mailing Address:

Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG

Instruction:

R	RECLAIM: N		TITLE V: N		SIP:		AIR:		
	Application No.	Permit No.	Permit Issue Date		Equipme Categor			Application Date	Application Status
	299980				666072	BCAT	RULE 1125 (b)(3) COMPLIANCE PLAN	01/12/1995	BANKING/ PLAN GRANTED
	422609	F65135	12/18/2003	ACTIVE	74	CCAT	BAGHOUSE, AMBIENT TEMP (<=100 SQ FT)	12/09/2003	PERMIT TO OPERATE GRANTED
	421310	F65060	12/18/2003	ACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	10/28/2003	PERMIT TO OPERATE GRANTED
/	377371	F45305	10/13/2001	ACTIVE	000306	BCAT	FOUNDRY SAND MOLD, COLD FORMING PROC	11/28/2000	PERMIT TO OPERATE GRANTED
J	329050	F21771	08/23/1999	ACTIVE	000198	BCAT	WAX BURN-OFF OVEN	06/13/1997	PERMIT TO OPERATE GRANTED
	327210	F8378	07/24/1997	INACTIVE	000306	BCAT	FOUNDRY SAND MOLD, COLD FORMING PROC	04/17/1997	PERMIT TO OPERATE GRANTED
	218982	D37211	03/29/1991	ACTIVE	000198	BCAT	WAX BURN-OFF OVEN	12/19/1989	PERMIT TO OPERATE GRANTED
	161549	M63308	05/14/1988	ACTIVE	000268	BCAT	OVEN, SCREEN PRINTING	10/09/1987	PERMIT TO OPERATE GRANTED
/	C23239	M21043	02/12/1982	ACTIVE	001330	BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
	C23239	M21043	02/12/1982	ACTIVE	21	CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
	C05608	M05178	08/30/1978	INACTIVE	000262	BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
	C05603	M05075	08/30/1978	INACTIVE	000262	<b>BCAT</b>	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED
	C05604	M05175	08/30/1978	INACTIVE	000262	BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED
	C05605	M05176	08/30/1978	INACTIVE	000262	BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED
	C05607	M05177	08/30/1978	INACTIVE	000262	BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED
	C05609	M05179	08/30/1978	INACTIVE	000262	BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED
	C05610	M05180	08/30/1978	INACTIVE	000262	BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED
	C05611	M05181	08/30/1978	INACTIVE	000262	<b>BCAT</b>	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED
	C05606	M05506	07/28/1978	ACTIVE	000262	BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
	A57595	P47904	12/20/1971	ACTIVE	001330	BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
	A57595	P47904	12/20/1971	ACTIVE	21	CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
	A56885	P47903	12/20/1971	INACTIVE	001330	BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1900	PERMIT TO OPERATE GRANTED
	A56885	P47903	12/20/1971	INACTIVE	21	CCAT	BAGHOUSE		PERMIT TO OPERATE GRANTED
	A56768	P43103	04/12/1971	ACTIVE	000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROC	01/01/1990	PERMIT TO OPERATE GRANTED
	A56768	P43103	04/12/1971	ACTIVE	22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)		PERMIT TO OPERATE GRANTED
	A56770	P43104	04/12/1971	ACTIVE	000284		ABRASIVE BLASTING (CABINET/MACHINE/ROC	01/01/1990	PERMIT TO OPERATE GRANTED
	A56770	P43104	04/12/1971	ACTIVE	22	CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED

Date: 7-5-05

Contact: B. L. GRIFFITHS (909) 3929656

TS: TS-11 Industrial: Sector-base Quarter: 0010 - inspect in 3rd quarter, every year

On Hold:

Facility Team: J

Disposition: Operating in Compliance at time of inspection

1 - 010

Date: 06/22/ac Davisored Do.

# South Coast Air Quality Management District

Run Date: 06/22/2005 02:38 PM

**Facility Equipment List Report** 

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC

MR: 0504

Contact: B. L. GRIFFITHS (909) 3929656

Last Inspection: 06/07/2005

Facility Status: Active

TS: TS-11 Industrial: Sector-base Quarter: 0010 - inspect in 3rd quarter, every year Suspended:

SIC: 3365

Assignment No. 890517

On Hold:

Inspection Date: 06/07/2005

Inspector: ED01 ERWIN DELACRUZ

Facility Team: J Disposition: Operating in Compliance at time of inspection

Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG

Mailing Address: Instruction:

R	ECLAIM: N		TITLE V: N		SIP:		AIR:		
	Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
	A25482	P13066	03/16/1966	ACTIVE	001010 BC	AT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
	A25479	P08205	04/09/1965	ACTIVE	000262 BC/	AT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
	A25483	P08090	03/30/1965	ACTIVE	001010 BC/	AT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
	A25484	P08091	03/30/1965	INACTIVE	001010 BC	AT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1900	PERMIT TO OPERATE GRANTED
	027921	041230	10/17/1957	<b>ACTIVE</b>	000284 BC/	AT	ABRASIVE BLASTING (CABINET/MACHINE/ROC	01/01/1990	PERMIT TO OPERATE GRANTED
	027921	041230	10/17/1957	ACTIVE	21 CC/	AT.	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
	002135	001849	08/07/1950	INACTIVE	001600 BC/	AT	FURNACE REVERB ALUMINUM	01/01/1900	PERMIT TO OPERATE GRANTED

Compliance inspection was conducted on 06/07/2005 with Roland Meckel, President. The company is a foundry that melts aluminum, steel, and aluminum-bronze. Facility has 13 permits for 7 furnaces, 2 abrasive blasting rooms, 2 baghouses, shell core machine and 1 mixer. During the inspection, units were not operating because employees were on their break. I verified that there were no changes to any of the permitted equipment. F45305 limits mixer to total amount of material processed not to exceed 3,800 pounds and amount of resin not to exceed 49.4 pounds in any one day. Records indicate that mixer process 1,140 to 3,200 pounds of total material and 15 to 42 pounds of resin in any one day. Furnaces are permitted with temperature limit but I could not verify because the units were not operating. Facility has a McKenna Boiler, rated at 1.060 MMBTU, year 2002. Facility was found in compliance with R. 1146,2, 1140, and 203(b).

Run Date: 10/13/2006 05:04 PM

Suspended:

# South Coast Air Quality Management District

#### **Facility Equipment List Report**

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC

MR: 0504

Contact: B. L. GRIFFITHS (909) 3929656

Last Inspection: 10/05/2006

Facility Status: Active

TS: TS-11 Industrial: Sector-base Quarter: 0010 - inspect in 3rd quarter, every year On Hold:

Assignment No. 960545

Facility Team: J

SIC: 3365 Inspector: ED01 ERWIN DELACRUZ

Tonnama Di - Da Cas

Disposition: Operating in Compliance at time of inspection

Inspection Date: 10/05/2006

Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG

Mailing Address: Instruction:

٠ ا	RECLAIM: N		TITLE V: N		SIP:		AIR:			
	Application No.	Permit No.	Permit Issue Date	Permit Status	Equipme Categor		BCAT/CCAT Description		Application Date	Application Status
	299980 422609	F65135	12/18/2003	ACTIVE	666072 74	BCAT CCAT		,	-	BANKING/ PLAN GRANTED PERMIT TO OPERATE GRANTED
	_ 421310 _ 377371	F65060 F45305	12/18/2003 10/13/2001	ACTIVE	000284 000306	BCAT	FOUNDRY SAND	MOLD, COLD FORMING PROC	11/28/2000	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
	_ 329050 _ 327210 _ 218982	F21771 F8378	08/23/1999 07/24/1997	ACTIVE INACTIVE		BCAT		MOLD, COLD FORMING PROC	04/17/1997	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
<u> </u>	_ 216982 _ 161549 C23239	D37211 M63308 M21043	03/29/1991 05/14/1988 02/12/1982	ACTIVE ACTIVE ACTIVE	000198 000268 001330	BCAT	WAX BURN-OFF OVEN, SCREEN FURNACE ELEC	PRINTING	10/09/1987	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
	_ C05608	M21043 M05178	02/12/1982 08/30/1978	ACTIVE INACTIVE	21 000262	CCAT BCAT	BAGHOUSE CORE OVEN		01/01/1990	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
	_ C05603 _ C05604 C05605	M05075 M05175 M05176	08/30/1978 08/30/1978 08/30/1978	INACTIVE INACTIVE	000262	BCAT	CORE OVEN CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
	_ C05607 _ C05609	M05177 M05177 M05179	08/30/1978 08/30/1978	INACTIVE INACTIVE	000262	BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
	_ C05610 _ C05611	M05180 M05181	08/30/1978 08/30/1978	INACTIVE INACTIVE	000262	BCAT	CORE OVEN		01/01/1900	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
<u></u>	_ C05606 _ A57595 A57595	M05506 P47904 P47904	07/28/1978 12/20/1971 12/20/1971	ACTIVE ACTIVE ACTIVE	000262 001330 21		CORE OVEN FURNACE ELEC BAGHOUSE	CT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
	_ A56885 _ A56885	P47903 P47903	12/20/1971 12/20/1971	INACTIVE	001330			CT IND & RES IRON-STEEL	01/01/1900	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
<u>/</u>	_ A56768 _ A56768 _ A56770	P43103 P43103	04/12/1971 04/12/1971 04/12/1971	ACTIVE ACTIVE	000284	CCAT	BAGHOUSE, AN	MBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED
	_ A56770 _ A56770	P43104 P43104	04/12/1971	ACTIVE ACTIVE	000284 22	CCAT				PERMIT TO OPERATE GRANTED PERMIT TO OPERATE GRANTED

10/24/06

Run Date: 10/13/2006 05:04 PM

# South Coast Air Quality Management District

#### **Facility Equipment List Report**

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC

MR: 0504

Contact: B. L. GRIFFITHS (909) 3929656

Last Inspection: 10/05/2006

TS: TS-11 Industrial: Sector-base Quarter: 0010 - inspect in 3rd quarter, every year

SIC: 3365

Facility Status: Active

On Hold: Suspended:

Inspector: ED01 ERWIN DELACRUZ

Assignment No. 960545

Facility Team: J

Inspection Date: 10/05/2006

Disposition: Operating in Compliance at time of inspection

Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG

Mailing Address: Instruction:

f	REÇLAIM: N		TITLE V: N		SIP:	AIR:		
	Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
	_ A25482	P13066	03/16/1966	ACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
1	_A25479	P08205	04/09/1965	ACTIVE.	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A25483	P08090	03/30/1965	ACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
	_ A25484	P08091	03/30/1965	INACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1900	PERMIT TO OPERATE GRANTED
	_ 027921	041230	10/17/1957	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/RO	O 01/01/1990	PERMIT TO OPERATE GRANTED
_/	_ 027921	041230	10/17/1957	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
	002135	001849	08/07/1950	INACTIVE	001600 BCAT	FURNACE REVERB ALUMINUM	01/01/1900	PERMIT TO OPERATE GRANTED

Report: Compliance inspection was conducted on 10/05/2006 with John Meckel, Vice President. The company is a foundry that melts aluminum and steel. Facility has 15 permits for 7 furnaces/ovens, 3 abrasive blasting cabinets, 3 baghouses, shell core machine and 1 sand mixer. I verified that there were no changes to any of the permitted equipment. P/O #F45305 limits the mixer to process no more than 3.800 pounds of total material and 49.4 pounds of resin in any one day. Records indicate that mixer process 1,200 to 2,900 pounds of total material and 16 to 37 pounds of resin in any one day. I verified that abrasive blasting cabinets were vented to air pollution control devices. Each air pollution control device was equipped with a mechanical gauge. Facility has a McKenna Boiler, rated at 1.060 MMBTU, year 2002. Unit is registered per R. 222(b). Facility was found in compliance with R. 203(b), 222(b), 1140, and 1146.2.

P - Ila Casa Dans

#### SCAQMD 2010b

South Coast Air Quality Management District, Modern Pattern & Foundry Co. Inc., Facility Information Detail (FIND), http://www.aqmd.gov/webappl/fim/prog/emission.aspx?fac\_id=13030, data accessed June 13, 2010



#### **Facility Information Detail (FIND)**

Search Again | Search Results | Facility Details | Equipment List | Compliance | Emissions | Hearing Board | Transportation

**Emissions** 

Facility ID

13030

**Company Name** 

MODERN PATTERN & FOUNDRY CO INC

Address

5610 ALCOA AVE

VERNON, CA 90058

Select AER Year:

2001

Criteria Pollutants (Tons per Year):

orteria i ottatarios (Toris per Tear).				
Pollutant ID	Pollutant Description	Annual Emissions		
со	Carbon Monoxide	0.060		
NOX	Nitrogen Oxides	0.222		
ROG	Reactive Organic Gases	0.012		
sox	Sulfur Oxides	0.001		
TSP	Total Suspended Particulates	0.087		

Toxic Pollutants (Pounds per Year):

Pollutant ID	Pollutant Description	Annual Emissions
71432	Benzene	0.027
50000	Formaldehyde	0.058
91203	Naphthalene	0.001
7440020	Nickel	7.500
1151	PAHs, total, with components not reported	0.000

Note - Data for 2007 represents the six-month transitional period, July through December 2007, when the rules requiring annual emissions reporting changed from a fiscal year to a calendar year basis.



#### **Facility Information Detail (FIND)**

Search Again | Search Results | Facility Details | Equipment List | Compliance | Emissions | Hearing Board | Transportation

**Emissions** 

Facility ID

13030

Company Name

MODERN PATTERN & FOUNDRY CO INC

Address

5610 ALCOA AVE

VERNON, CA 90058

Select AER Year:

2003

.

Criteria Pollutants (Tons per Year):

Pollutant ID	Pollutant Description	Annual Emissions
со	Carbon Monoxide	0.066
NOX	Nitrogen Oxides	0.247
ROG	Reactive Organic Gases	0.013
SOX.	Sulfur Oxides	0.001
TSP	Total Suspended Particulates	0.095

Toxic Pollutants (Pounds per Year):

Pollutant ID	Pollutant Description	Annual Emissions
7664417	Ammonia	68.400
71432	Benzene	0.030
50000	Formaldehyde	0.064
91203	Naphthalene	0.001
7440020	Nickel	8.100
1151	PAHs, total, with components not reported	0.000

Note - Data for 2007 represents the six-month transitional period, July through December 2007, when the rules requiring annual emissions reporting changed from a fiscal year to a calendar year basis.



#### Facility INformation Detail (FIND)

Search Again | Search Results | Facility Details | Equipment List | Compliance | Emissions | Hearing Board | Transportation

**Emissions** 

Facility ID

13030

**Company Name** 

MODERN PATTERN & FOUNDRY CO INC

**Address** 

5610 ALCOA AVE

VERNON, CA 90058

Select AER Year:

2004

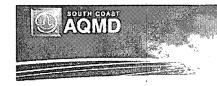
Criteria Pollutants (Tons per Year):

Pollutant ID	Pollutant Description	Annual Emissions
со	Carbon Monoxide	0.083
NOX	Nitrogen Oxides	0.308
ROG	Reactive Organic Gases	0.016
sox	Sulfur Oxides	0.001
TSP	Total Suspended Particulates	0.119

Toxic Pollutants (Pounds per Year):

Pollutant ID	Pollutant Description	Annual Emissions
75070	Acetaldehyde	0.020
107028	Acrolein	0.012
7664417	Ammonia	85.500
71432	Benzene	0.038
100414	ETHYL BENZENE	0.045
50000	Formaldehyde	0.080
110543	HEXANE	0.029
91203	Naphthalene	0.001
7440020	Nickel	1.012
1151	PAHs, total, with components not reported	0.000
108883	Toluene	0.173
1330207	Xylenes	0.129

Note - Data for 2007 represents the six-month transitional period, July through December 2007, when the rules requiring annual emissions reporting changed from a fiscal year to a calendar year basis.



#### **Facility INformation Detail (FIND)**

Search Again | Search Results | Facility Details | Equipment List | Compliance | Emissions | Hearing Board | Transportation

**Emissions** 

Facility ID

13030

Company Name

MODERN PATTERN & FOUNDRY CO INC

Address

5610 ALCOA AVE

VERNON, CA 90058

Select AER Year:

2006

Criteria Pollutants (Tons per Year):

Pollutant ID	Pollutant Description	Annual Emissions
со	Carbon Monoxide	0.099
NOX	Nitrogen Oxides	0.370
ROG	Reactive Organic Gases	0.019
SOX	Sulfur Oxides	0.001
TSP	Total Suspended Particulates	0.131

Toxic Pollutants (Pounds per Year):

Pollutant ID	Pollutant Description	Annual Emissions
7664417	Ammonia	102.600
71432	Benzene	0.045
50000	Formaldehyde	0.096
91203	Naphthalene	0.001
1151	PAHs, total, with components not reported	0.000

Note - Data for 2007 represents the six-month transitional period, July through December 2007, when the rules requiring annual emissions reporting changed from a fiscal year to a calendar year basis.





Search Again | Search Results | Facility Details | Equipment List | Compliance | 'Emissions | Hearing Board | Transportation

**Emissions** 

Facility ID

13030

**Company Name** 

MODERN PATTERN & FOUNDRY CO INC

Address

5610 ALCOA AVE

VERNON, CA 90058

Select AER Year:

2007

Criteria Pollutants (Tons per Year):

	interial Foliations (Folia per Fear).				
Pollutant ID	Pollutant Description	Annual Emissions			
со	Carbon Monoxide	0.048			
NOX	Nitrogen Oxides	0.178			
ROG	Reactive Organic Gases	0.009			
sox	Sulfur Oxides	0.000			
TSP	Total Suspended Particulates	0.819			

Toxic Pollutants (Pounds per Year):

Pollutant ID	Pollutant Description	Annual Emissions
7664417	Ammonia	49.500
71432	Benzene	0.022
50000	Formaldehyde	0.046
91203	Naphthalene	0.000
1151	PAHs, total, with components not reported	0.000

Note - Data for 2007 represents the six-month transitional period, July through December 2007, when the rules requiring annual emissions reporting changed from a fiscal year to a calendar year basis.

Appendix F
EPA Quick Reference Fact Sheet: Site Assessment: Evaluating
Risks at Superfund Sites

United States Environmental Protection Agency Office of Solid Waste and Emergency Response

Publication 9345.4-03FS

September 1993

# SITE ASSESSMENT: Evaluating Risks at Superfund Sites

Office of Emergency and Remedial Response Hazardous Site Evaluation Division 5204G

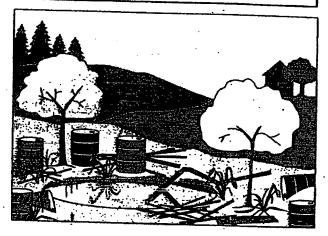
**Quick Reference Fact Sheet** 

# The Challenge of the Superfund Program

A series of headline-grabbing stories in the late 1970s, such as Love Canal, gave Americans a crash course in the perils of ignoring hazardous waste. At that time, there were no Federal regulations to protect the country against the dangers posed by hazardous substances (mainly industrial chemicals, accumulated pesticides, cleaning solvents, and other chemical products) abandoned at sites throughout the nation. And so, in 1980 Congress passed the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), commonly known as Superfund, to address these problems.

The major goal of the Superfund program is to protect human health and the environment by cleaning up areas, known as "sites," where hazardous waste contamination exists. The U.S. Environmental Protection Agency (EPA) is responsible for implementing the Superfund program.

At the time it passed the Superfund law, Congress believed that the problems associated with uncontrolled releases of hazardous waste could be



handled in five years with \$1.6 billion dollars.

However, as more and more sites were identified, it became apparent that the problems were larger than anyone had originally believed. Thus, Congress passed the Superfund Amendments and Reauthorization Act (SARA) in 1986. SARA expanded and strengthened the authorities given to EPA in the original legislation and provided a budget of \$8.5 billion over five years. Superfund was extended for another three years in 1991.

# What is EPA's Job at Superfund Sites?

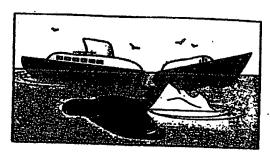
For more than 10 years, EPA has been implementing the Superfund law by:

- Evaluating potential hazardous waste sites to determine if a problem exists;
- Finding the parties who caused the hazardous waste problems and directing them to address these problems under EPA oversight or requiring them to repay EPA for addressing these problems; and
- Reducing immediate risks and tackling complex hazardous waste problems.

The Superfund site assessment process generally begins with the discovery of contamination at a site and ends with the completion of remediation (i.e., cleaning up the waste at a site) activities. This fact sheet explains the early part of the process, called the *site assessment* phase.

#### **The National Response Center**

The National Response Center (NRC), staffed by Coast Guard personnel, is the primary agency to contact for reporting all oil, chemical, and biological discharges into the environment anywhere in the U.S. and its territories. It is responsible for:



- Maintaining a telephone hotline 365 days a year, 24 hours a day;
- Providing emergency response support in specific incidents; and
- Notifying other Federal agencies of reports of pollution incidents.

To report a pollution incident, such as an oil spill, a pipeline system failure, or a transportation accident involving hazardous material, call the NRC hotline at 800-424-8802.

Site Discovery

Hazardous waste sites are discovered in various ways. Sometimes concerned residents find drums filled with unknown substances surrounded by dead vegetation and call the NRC. EPA, or the State environmental agency; or an anonymous caller to the NRC or EPA reports suspicious dumping activities. Many sites come to EPA's attention through routine inspections conducted by other Federal, State, or local government officials. Other sites have resulted from a hazardous waste spill or an explosion. EPA enters these sites into a computer system that tracks any future Superfund activities.

Preliminary Assessment

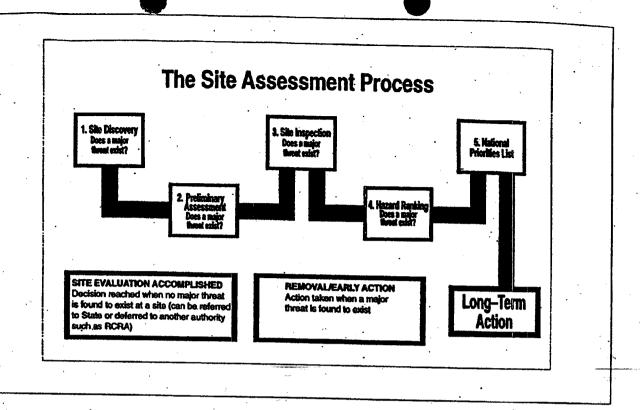
After learning about a site, the next step in the site assessment process is to gather existing information about the site. EPA calls this the preliminary assessment. Anyone can request that a preliminary assessment be performed at a site by petitioning EPA, the State environmental agency, local representatives, or health officials.

During the preliminary assessment, EPA or the State environmental agency:

- Reviews available background records;
- Determines the size of the site and the area around it;

- Tries to determine whether hazardous substances are involved;
- Identifies actual or potential pollution victims, such as the nearby population and sensitive environments;
- Makes phone calls or interviews people who may be familiar with the site; and
  - Evaluates the need for early action using EPA's removal authority.

By gathering information and possibly visiting the site, EPA or the State environmental agency is able to determine if major threats exist and if cleanup is needed. Many times, the preliminary assessment indicates that no major threats exist.



However, if hazardous substances do pose an immediate threat, EPA quickly acts to address the threat. When a site presents an immediate danger to human health or the environment—for example, there is the potential for a fire or an explosion or the drinking water is contaminated as a result of hazardous substances leaking out of drums—EPA can move quickly to address site contamination. This action is called a removal or an early action. Additional information on early actions can be found on page 4.

EPA or the State environmental agency then decides if further Federal actions are required. Of the more than 35,000 sites discovered since 1980, only a small percentage have needed further remedial action under the Federal program.

A report is prepared at the completion of the preliminary assessment. The report includes a description of any hazardous substance release, the possible source of the release, whether the contamination could endanger people or the environment, and the pathways of the release. The information outlined in this report is formed into hypotheses that are tested if further investigation takes place. You can request a copy of this report once it becomes final—just send your name and address to your EPA regional Superfund office. See page 8 for further information on these contacts.

Sometimes it is difficult to tell if there is contamination at the site based on the initial information gathering. When this happens, EPA moves on to the next step of the site assessment, called the site inspection.

#### **Making Polluters Pay**

One of the major goals of the Superfund program is to have the responsible parties pay for or conduct remedial activities at hazardous waste sites. To accomplish this goal, EPA:

- Researches and determines who is responsible for contaminating the site:
- Issues an order requiring the private parties to perform cleanup actions with EPA oversight; and
- Recovers costs that EPA spends on site activities from the private parties.

### **Removals/Early Actions**

EPA can take action quickly if hazardous substances pose an immediate threat to human health or the environment. These actions are called *removals* or *early actions* because EPA rapidly eliminates or reduces the risks at the site. EPA can take a number of actions to reduce risks, including

- Fencing the site and posting warning signs to secure the site against trespassers;
- Removing, containing, or treating the source of the contamination:
- Providing homes and businesses with safe drinking water; and, as a last resort,
- Temporarily relocating residents away from site contamination.

"EPA can take action quickly if hazardous substances pose an immediate threat to human health or the environment."

3

Site Inspection

If the preliminary assessment shows that hazardous substances at the site may threaten residents or the environment, EPA performs a site inspection. During the site inspection, EPA or the State collects samples of the suspected hazardous substances in nearby soil and water. EPA may initiate a concurrent SI/remedial investigation at those sites that are most serious and determined early as requiring long-term action. Sometimes, wells have to be drilled to sample the ground water. Site inspectors may wear protective gear, including coveralls and respirators, to protect themselves against any hazardous substances present at the site. Samples collected during the site inspection are sent to a laboratory for analysis to help EPA answer many questions, such as:

 Are hazardous substances present at the site? If so, what are they, and approximately how much of each substance is at the site?

- Have these hazardous substances been released into the environment? If so, when did the releases occur, and where did they originate?
- Have people been exposed to the hazardous substances? If so, how many people?
- Do these hazardous substances occur naturally in the immediate area of the site? At what concentrations?
- ◆ Have conditions at the site gotten worse since the preliminary assessment? If so, is an early action or removal needed? (See box above.)

Often, the site inspection indicates that there is no release of major contamination at the site, or that the hazardous substances are safely contained and have no possibility of being released into the environment. In these situations, EPA decides that no further Federal inspections or remedial actions are needed. This decision is referred to as site evaluation accomplished. (See page 5 for more details on the site evaluation accomplished decision.)

At the completion of the site inspection, a report is prepared.—This report is available to the public-call your EPA regional Superfund office for a copy. See page 8 for the phone numbers of these offices.

"During the site inspection, EPA or the State collects samples of the suspected hazardous substances in nearby soil and water."

At sites with particularly complex conditions, EPA may need to perform a second SI to obtain legally defensible documentation of the releases.

Because EPA has limited resources, a method has been developed to rank the sites and set priorities throughout the nation. That method, known as the *Hazard Ranking System*, is the next step in the site assessment process.

# Hazard Ranking System

EPA uses the information collected during the preliminary assessment and site inspection to evaluate the conditions at the site and determine the need for long-term remedial actions. When evaluating the seriousness of contamination at a site, EPA asks the following questions:

- Are people or sensitive environments, such as wetlands or endangered species, on or near the site?
- What is the toxic nature and volume of waste at the site?
- What is the possibility that a hazardous substance is in or will escape into ground water, surface water, air, or soil?

Based on answers to these questions, each site is given a score between zero and 100. Sites that score 28.5 or above move to the next step in the process: listing on the *National Priorities List*. Sites that score below 28.5 are referred to the. State for further action.

National Priorities
List

Sites that are listed on the National Priorities List present a potential threat to human health and the environment, and require further study to determine what, if any, remediation is necessary. EPA can-pay-for and conduct

#### **Site Evaluation Accomplished**

In many instances, site investigators find that potential sites do not warrant Federal action under the Superfund program. This conclusion can be attributed to one of two reasons:

- The contaminants present at the site do not pose a major threat to the local population or environment; or
- The site should be addressed by another Federal authority, such as EPA's Resource Conservation and Recovery Act (RCRA) hazardous waste management program.

When investigators reach this conclusion, the site evaluation is considered accomplished. A site can reach this point at several places during the site assessment process, namely at the conclusion of the preliminary assessment or the site inspection, or once the site is scored under the Hazard Ranking System.

remedial actions at NPL sites if the responsible parties are unable or unwilling to take action themselves. There are three ways a site can be listed on the National Priorities List:

- It scores 28.5 or above on the Hazard Ranking System;
- If the State where the site is located gives it top priority, the site is listed on the National Priorities List regardless of the HRS score; or
- EPA lists the site, regardless of its score, because all of the following are true about the site:
  - The Agency for Toxic Substances and Disease Registry (ATSDR), a group within the U.S. Public Health Service, issues a health advisory recommending that the local population be dissociated from the site (i.e., that the people be temporarily relocated or the immediate public health threat be removed):
  - ▼ EPA determines that the site poses a significant threat to human health; and
  - ▼ Conducting long-term remediation activities will be more effective than

addressing site contamination through early actions.

The list of proposed sites is published in the Federal Register, a publication of legal notices issued by Federal agencies. The community typically has 60 days to comment on the list. After considering all comments, EPA publishes a list of those sites that are officially on the National Priorities List. When a site is added to the National Priorities List, the site assessment is completed. Long-term actions take place during the next phase. See page 6 for more details on longterm actions.

# As a Concerned Citizen, How Can I Help?

- Read this fact sheet.
- Call EPA with any potential sites in your area.
- Provide EPA with site information.
- Comment on proposed listing of sites on the National Priorities List.
- If the site is listed on the NPL, work with your citizens' group to apply for a technical assistance grant.



#### Addressing Sites in the Long Term

Once a site is placed on the National Priorities List, it enters the long-term or remedial phase. The stages of this phase include:

- Investigating to fully determine the nature and extent of contamination at the site, which can include a public health assessment done by the ATSDR;
- Exploring possible technologies to address site contamination;
- Selecting the appropriate technologies—also called remedies;
- Documenting the selected remedies in a record of decision (ROD);
- Designing and constructing the technologies associated with the selected remedies;
- ✓ If necessary, operating and maintaining the technologies for several years (e.g., long-term treatment of ground water) to ensure safety levels are reached; and
- Deleting the site from the National Priorities List, completing Superfund's process and mission.



# **Some Commonly Asked Question**

Q: What exactly is a site?

A: EPA designates the area in which contamination exists as the "site." Samples are taken to define the area of contamination. At any time during the cleanup process the site may be expanded if contamination is discovered to have spread further.

Q: How long will it take to find out if a threat exists?

A: Within one year of discovering the site, EPA must perform a preliminary assessment. The preliminary assessment allows EPA to determine if there is an immediate danger at the site; if so, EPA takes the proper precautions. You will be notified if you are in danger. EPA may also contact you to determine what you know about the site.

Q: What is the State's role in all these investigations?

A: The State can take the lead in investigating and addressing contamination. It also provides EPA with background information on (1) immediate threats to the population or environment, and (2) any parties that might be responsible for site contamination. The State shares in the cost of any long-term actions conducted by the Superfund program, comments on the proposal of sites to the National Priorities List, and concurs on the selected remedies and final deletion of sites from the National Priorities List.

Q: Why are private contractors used to assess sites?
 A: EPA has a limited workforce. By using private contractors, EPA is able to investigate more sites. Also, EPA is able to draw on the expertise of private contracting companies.

Why are there so many steps in the evaluation process?
Why can't you just take away all the contaminated materials right now, just to be safe?

When EPA assesses a site, it first determines if contamination poses any threats to the health of the local population and the integrity of the environment. Dealing with worst sites first is one of Superfund's national goals. By evaluating contamination in a phased approach, EPA can quickly identify sites that pose the greatest threats and move them through the site assessment process. Once EPA understands the conditions present at a site, it searches for the remedy that will best protect public health and the environment. Cost is only one factor in weighing equally protective remedies. Many sites do not warrant actions because no major threat exists. However, if a significant threat does exist, EPA will take action.

### about Superfund Sites

- Q: If a site is added to the National Priorities List, how will we know when EPA has completed the cleanup efforts? A: EPA notifies the public and requests their comments on the actions proposed to treat site contaminants. In addition, the community is notified when a site will be deleted from the National Priorities List. The entire process can take as long as 7 years; at sites where ground water is contaminated, it can take even longer.
- Q: I live next door to a site and I see EPA and contractor personnel wearing "moon suits." Am I safe?
- A: EPA and contractor personnel wear protective gear because they might actually be handling hazardous materials. Also, these people are regularly exposed to contaminants at different sites and do not always know what contaminants they are handling. EPA takes steps to protect the public from coming in contact with the site contamination. If a dangerous situation arises, you will be notified immediately.
- Q: If a site is added to the National Priorities List, who pays for the activities?
- A: EPA issues legal orders requiring the responsible parties to conduct site cleanup activities under EPA oversight. If the parties do not cooperate, Superfund pays and files suit for reimbursement from responsible parties. The sources of this fund are taxes on the chemical and oil industries; only a small fraction of the fund is generated by income tax dollars.
- Q: How can I get more information on any health-related concerns? A: Contact your EPA regional Superfund office for more information. The ATSDR also provides information to the public on the health effects of hazardous substances. Ask your EPA regional Superfund office for the phone number of the ATSDR office in your region.
- Q: How can I verify your findings? What if I disagree with your conclusions?
- A: You can request copies of the results of the site assessment by writing to your EPA regional Superfund office. The public is given the opportunity to comment on the proposal of a site to the National Priorities List and the actions EPA recommends be taken at the site. If a site in your community is listed on the National Priorities List, a local community group may receive grant funds from EPA to hire a technical advisor. Call your EPA regional Superfund office (see page 8) for the location of an information repository and for information on applying for a technical assistance grant.
- Q: How can I get further information? How can I get a list of the sites **EPA** has investigated?
- A: Contact your EPA regional Superfund office (see page 8) for more information and a list of sites in your area.



For information on the Superfund program or to report a hazardous waste emergency, call the national numbers below.

#### U.S. EPA Headquarters Hazardous Site Evaluation Division

Site Assessment Branch 703-603-8860

#### Federal Superfund Program Information

EPA Superfund Hotline 800-424-9346

#### **Emergency Numbers:**

#### **Hazardous Waste Emergencies**

National Response Center 800-424-8802

## ATSDR Emergency Response Assistance

Emergency Response Line 404-639-0615

For answers to site-specific questions and information on opportunities for public involvement, contact your region's Superfund community relations office.

EPA Region 1: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont

Superfund Community Relations Section 617-565-2713

EPA Region 2: New Jersey, New York, Puerto Rico, Virgin Islands

Superfund Community Relations Branch 212-264-1407

EPA Region 3: Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia

Superfund Community Relations Branch 800-438-2474

EPA Region 4: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee

Superfund Site Assessment Section 404-347-5065

EPA Region 5: Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin

Office of Superfund
 312-353-9773

EPA Region 6: Arkansas, Louisiana, New Mexico, Oklahoma, Texas

Superfund Management
 Branch, Information
 Management Section
 214-655-6718

EPA Region 7: Iowa, Kansas, Missouri, Nebraska

Public Affairs Office 913-551-7003

EPA Region 8: Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming

Superfund Community
Involvement Branch
303-294-1124

EPA Region 9: Arizona, California, Hawaii, Nevada, American Samoa, Guam

 Superfund Office of Community Relations 800-231-3075

EPA Region 10: Alaska, Idaho, Oregon, Washington

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